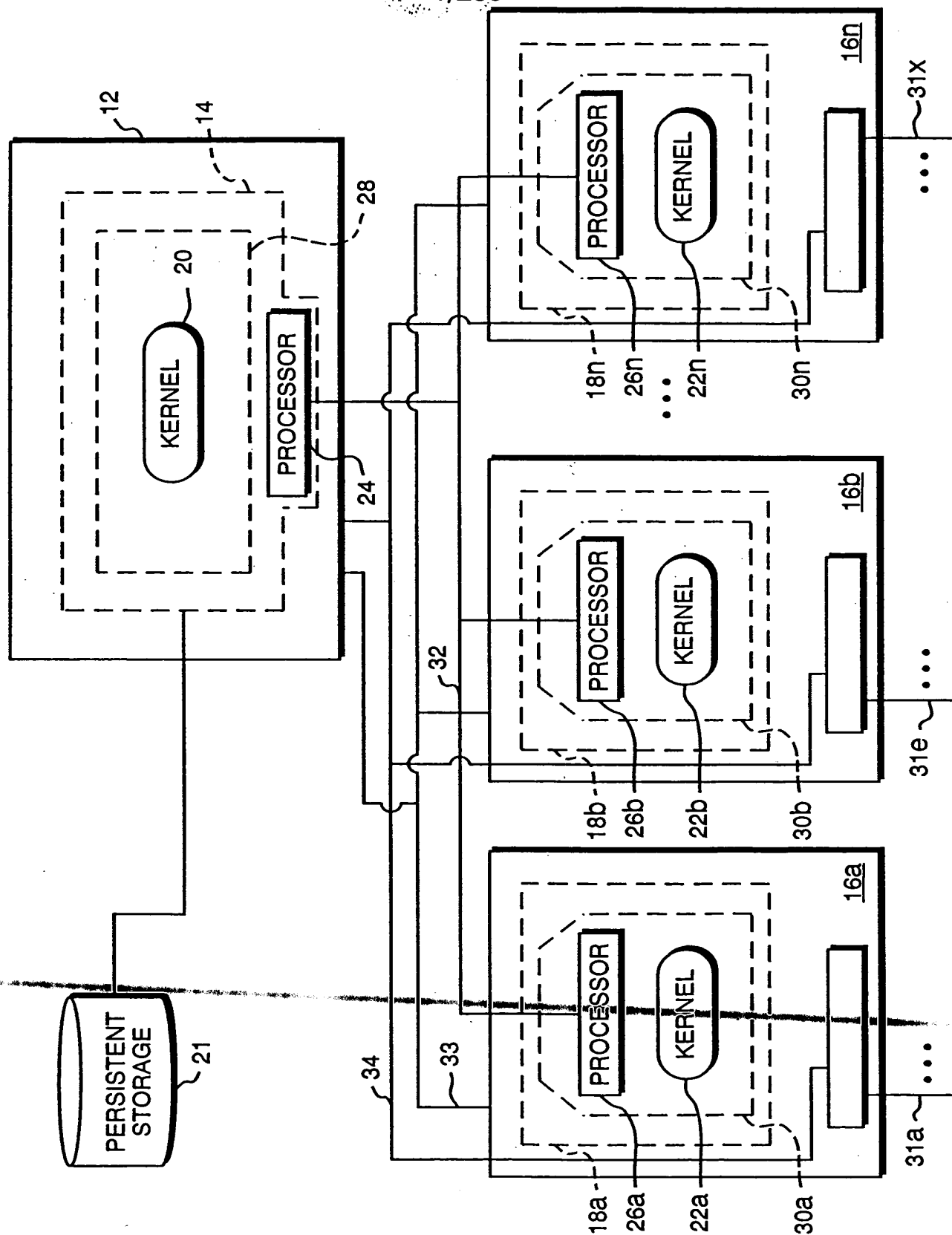


1/289



2/289

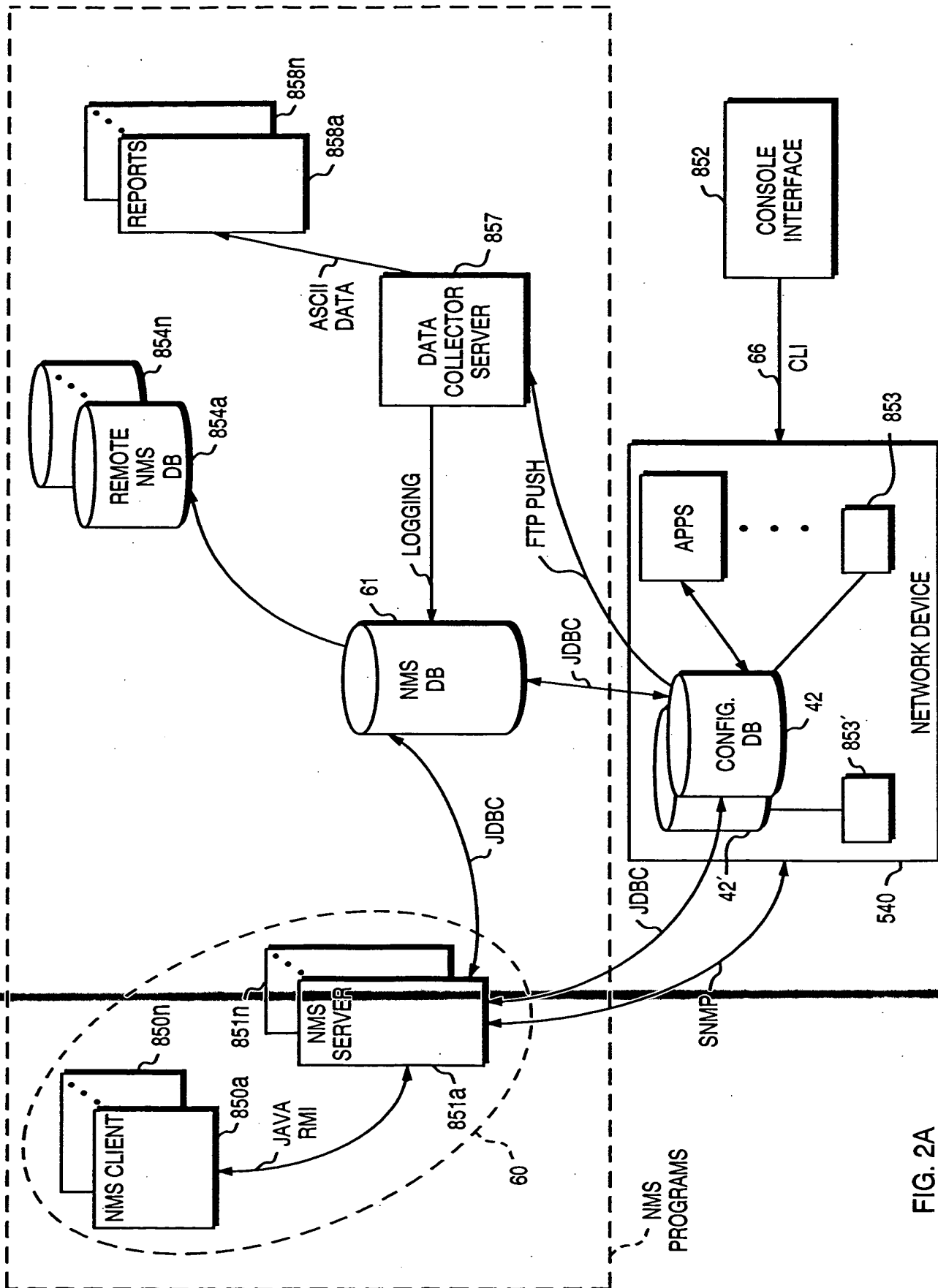
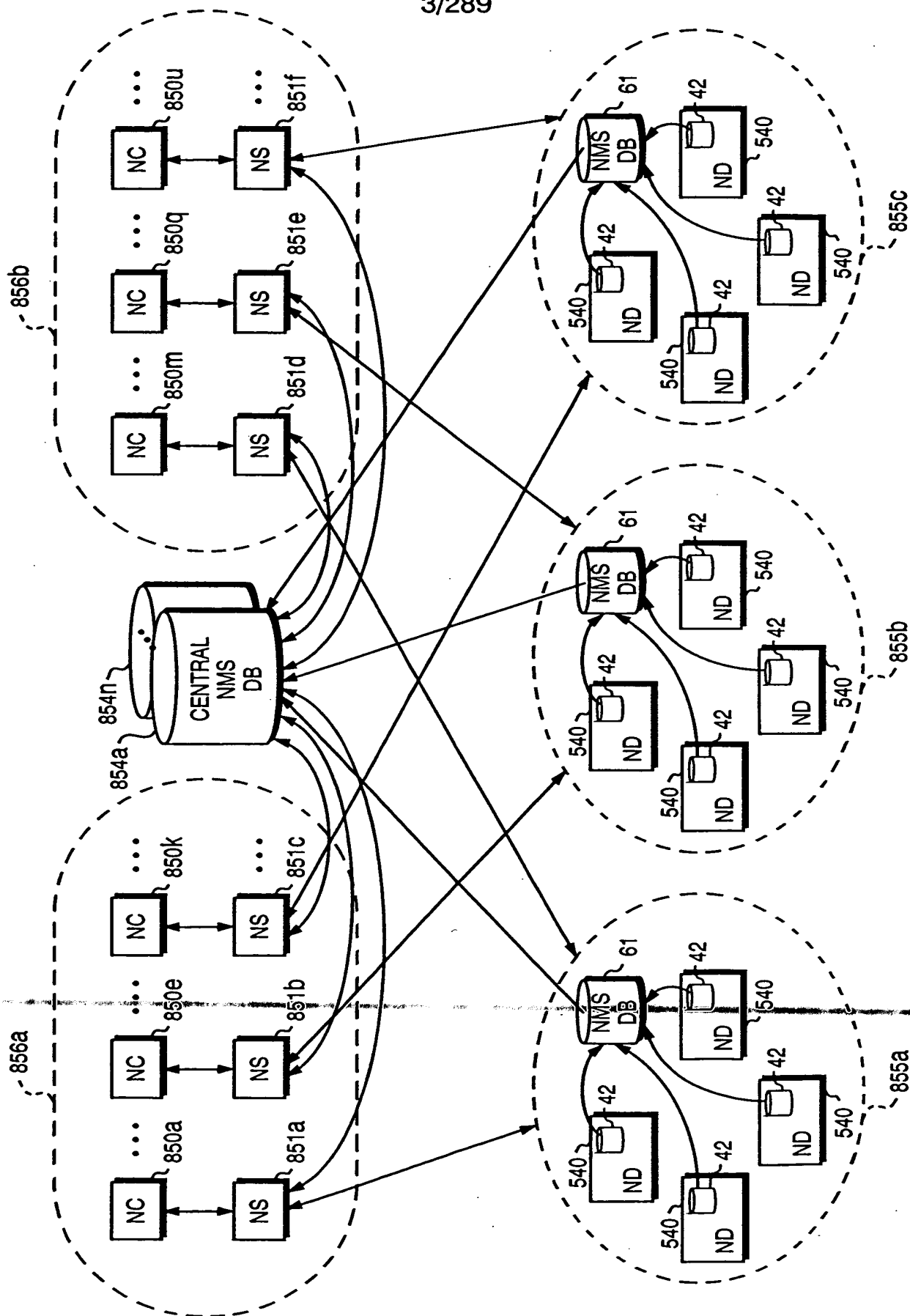


FIG. 2A

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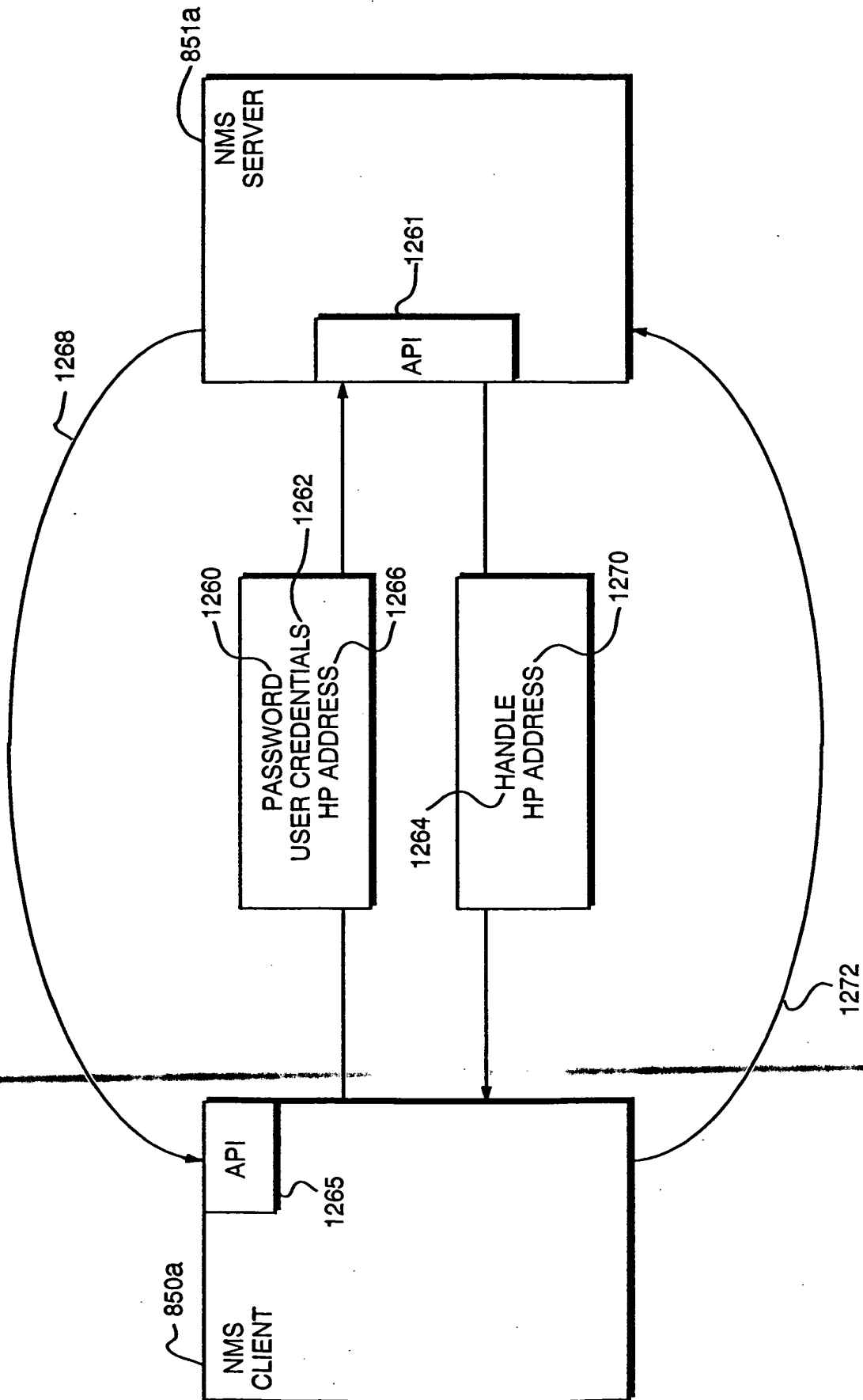


FIG. 2C

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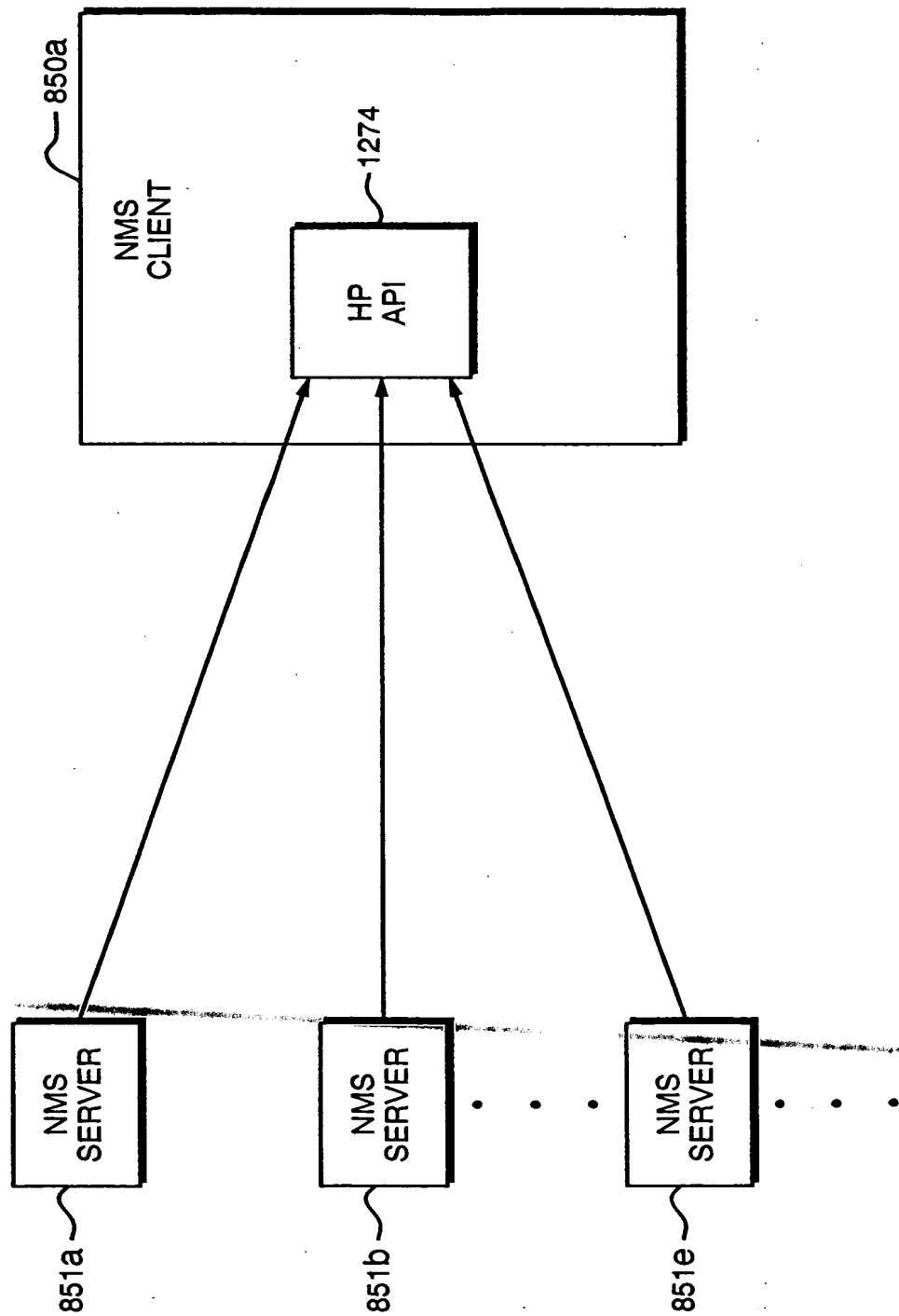


FIG. 2D

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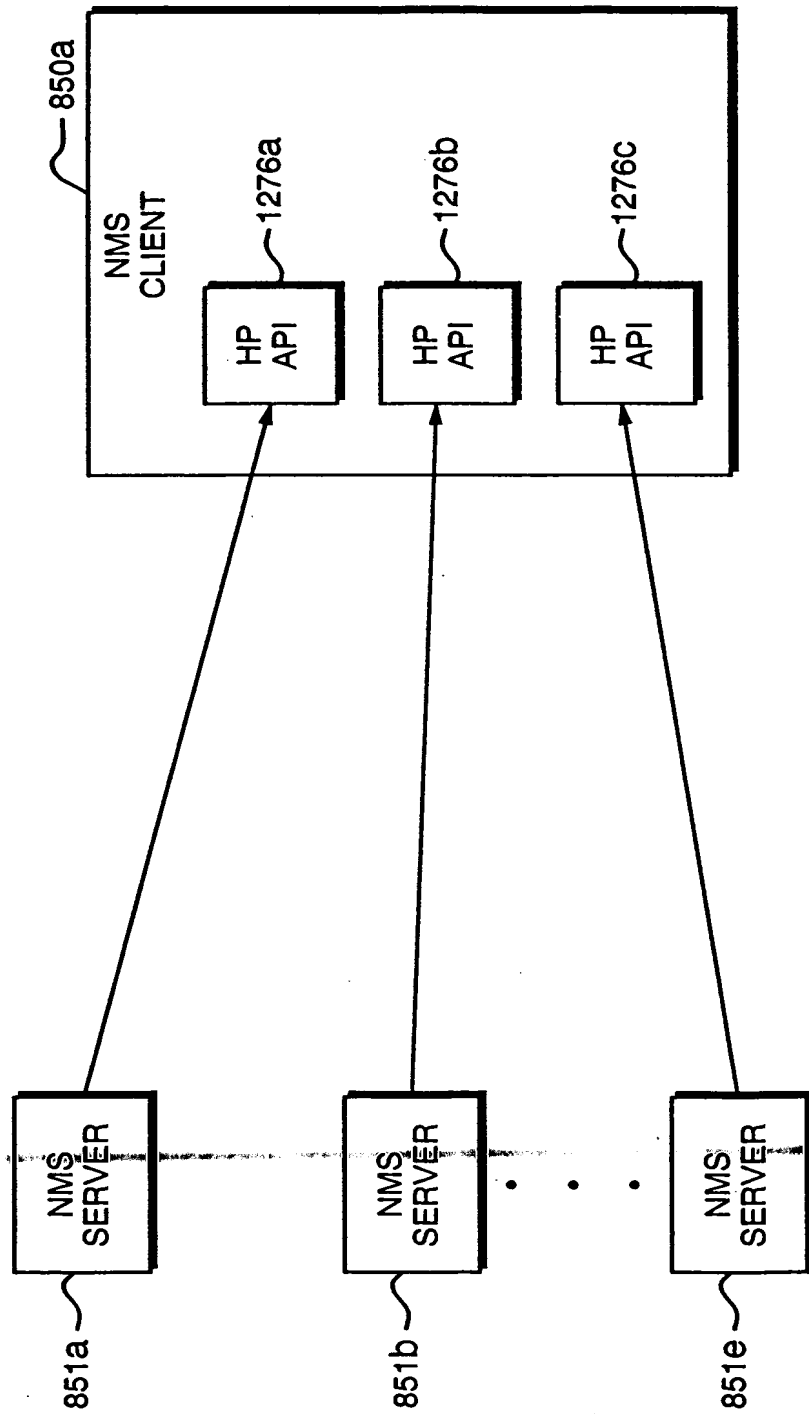


FIG. 2E

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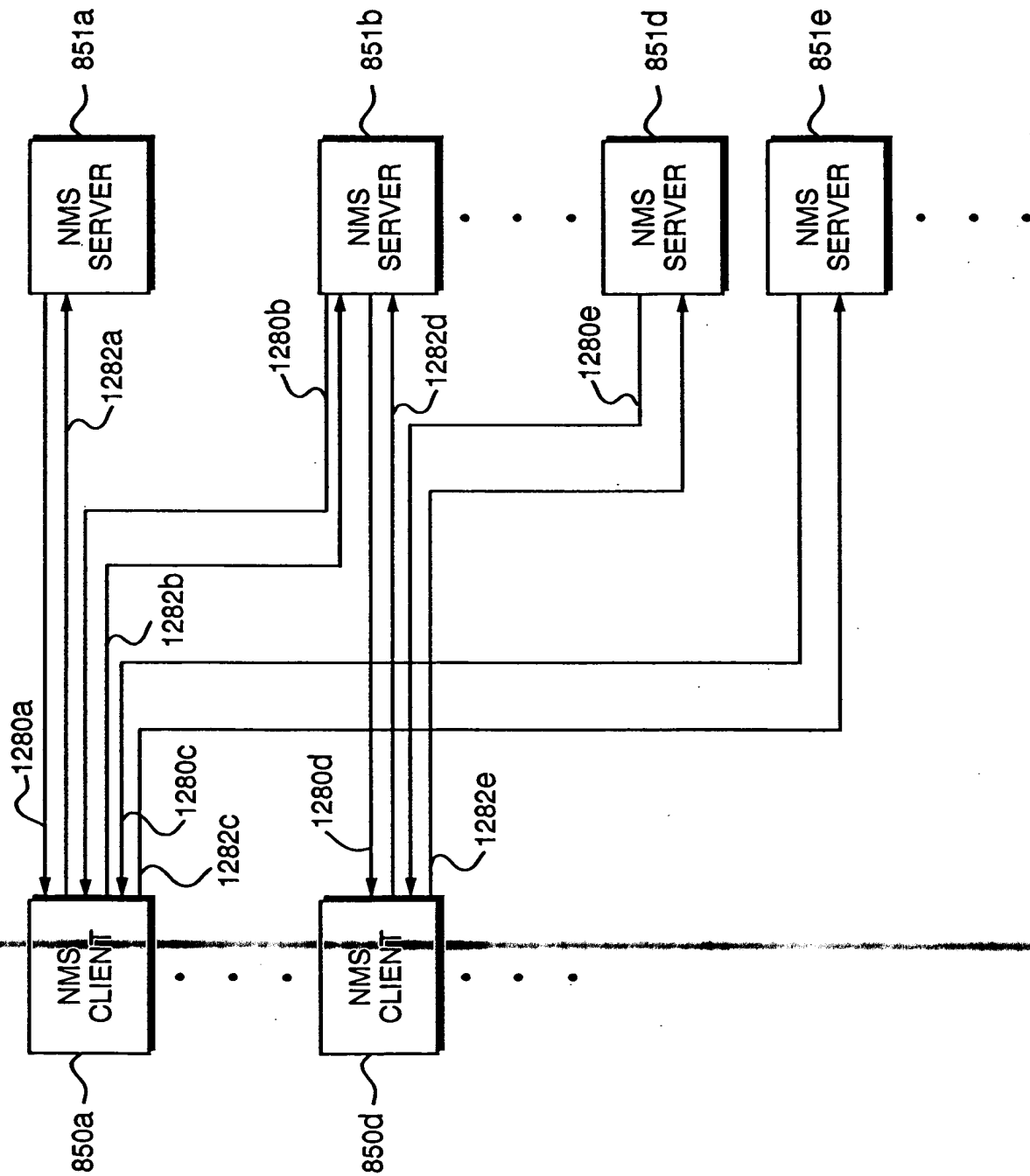


FIG. 2G

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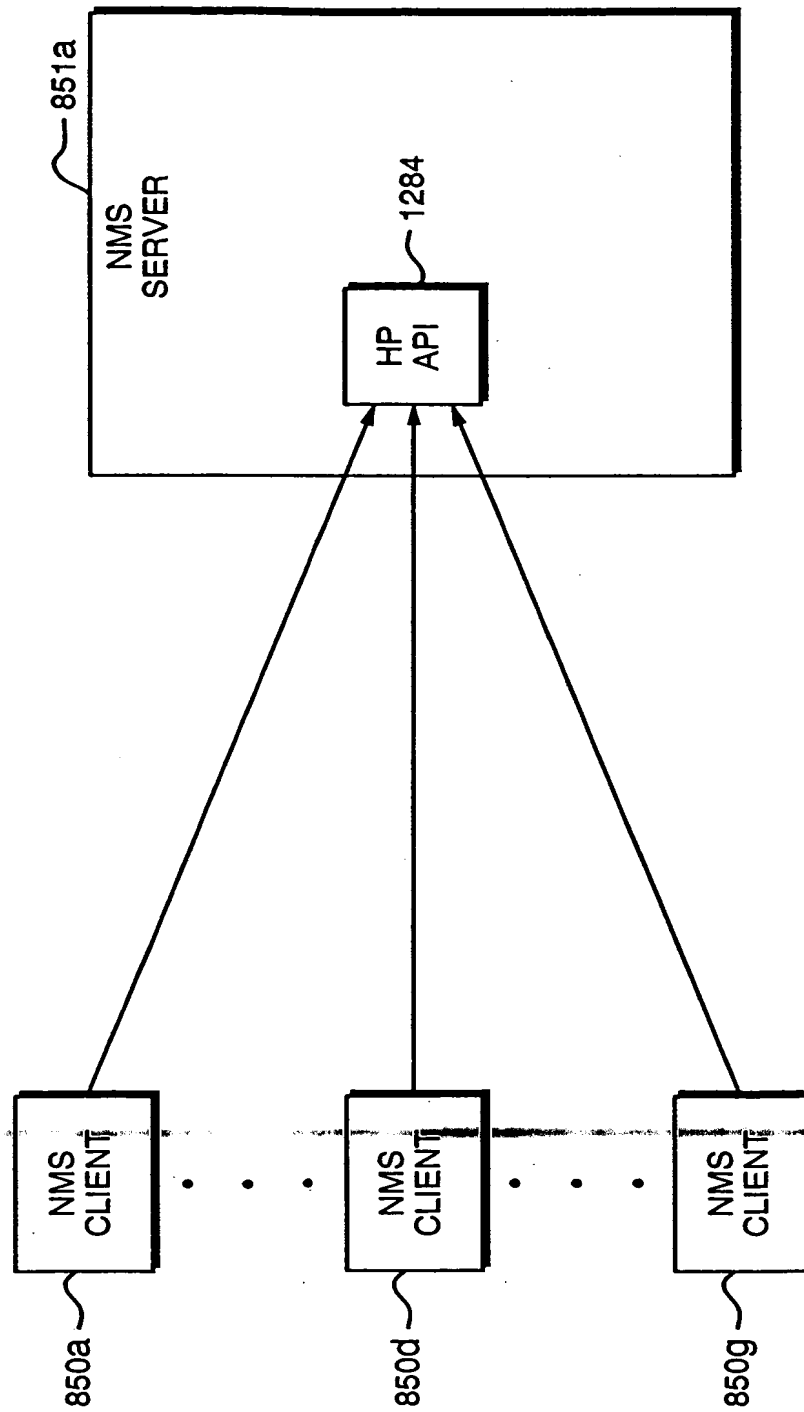


FIG. 2H

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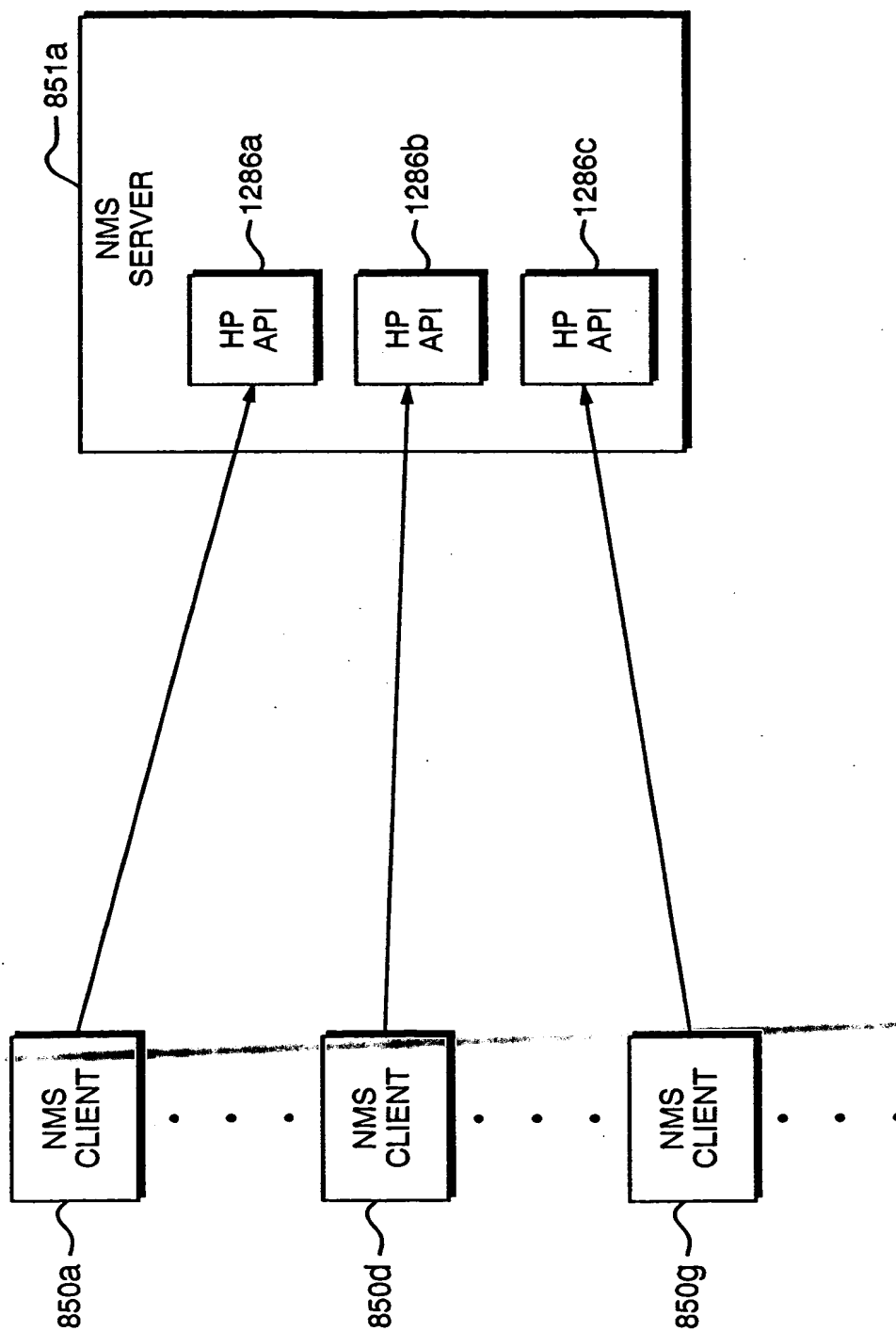


FIG. 2I

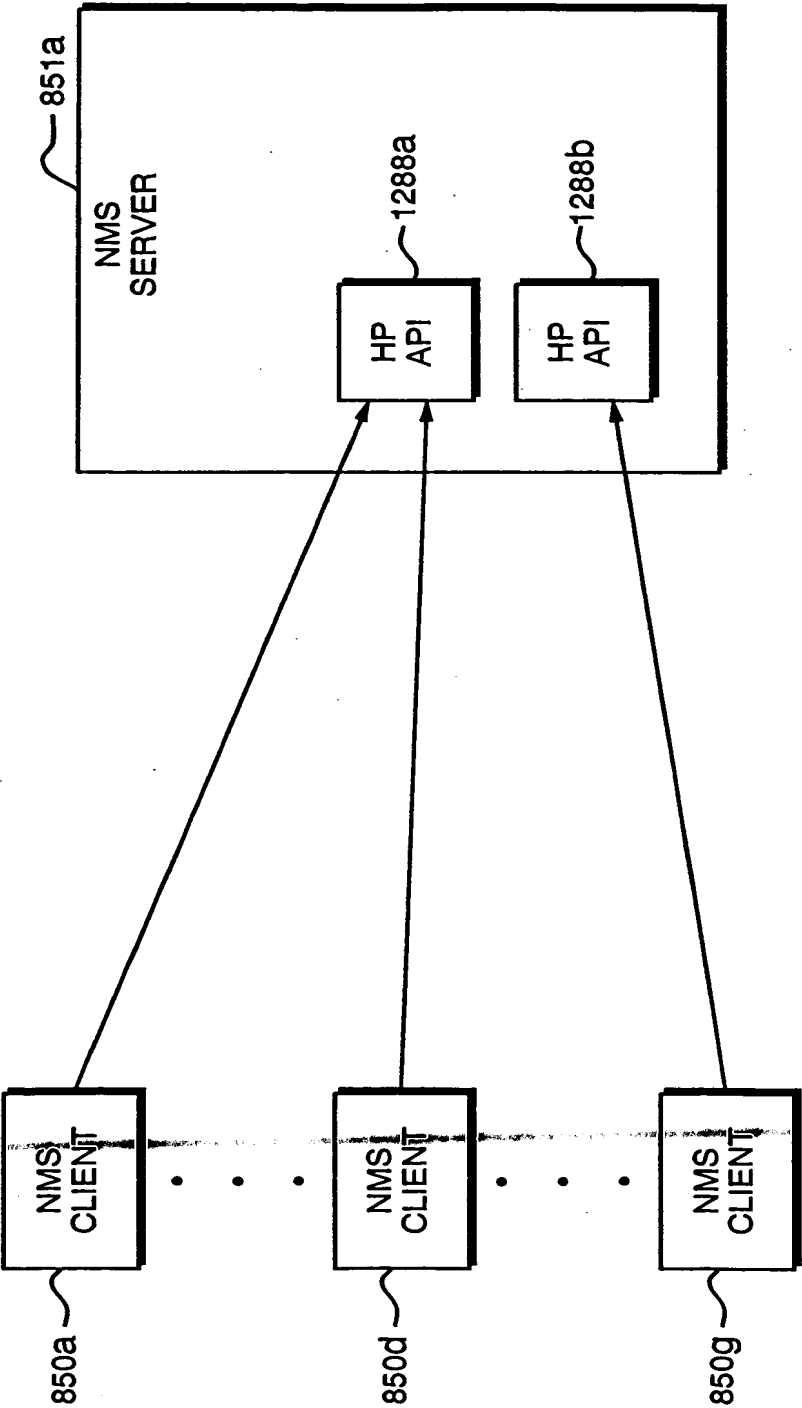


FIG. 2J

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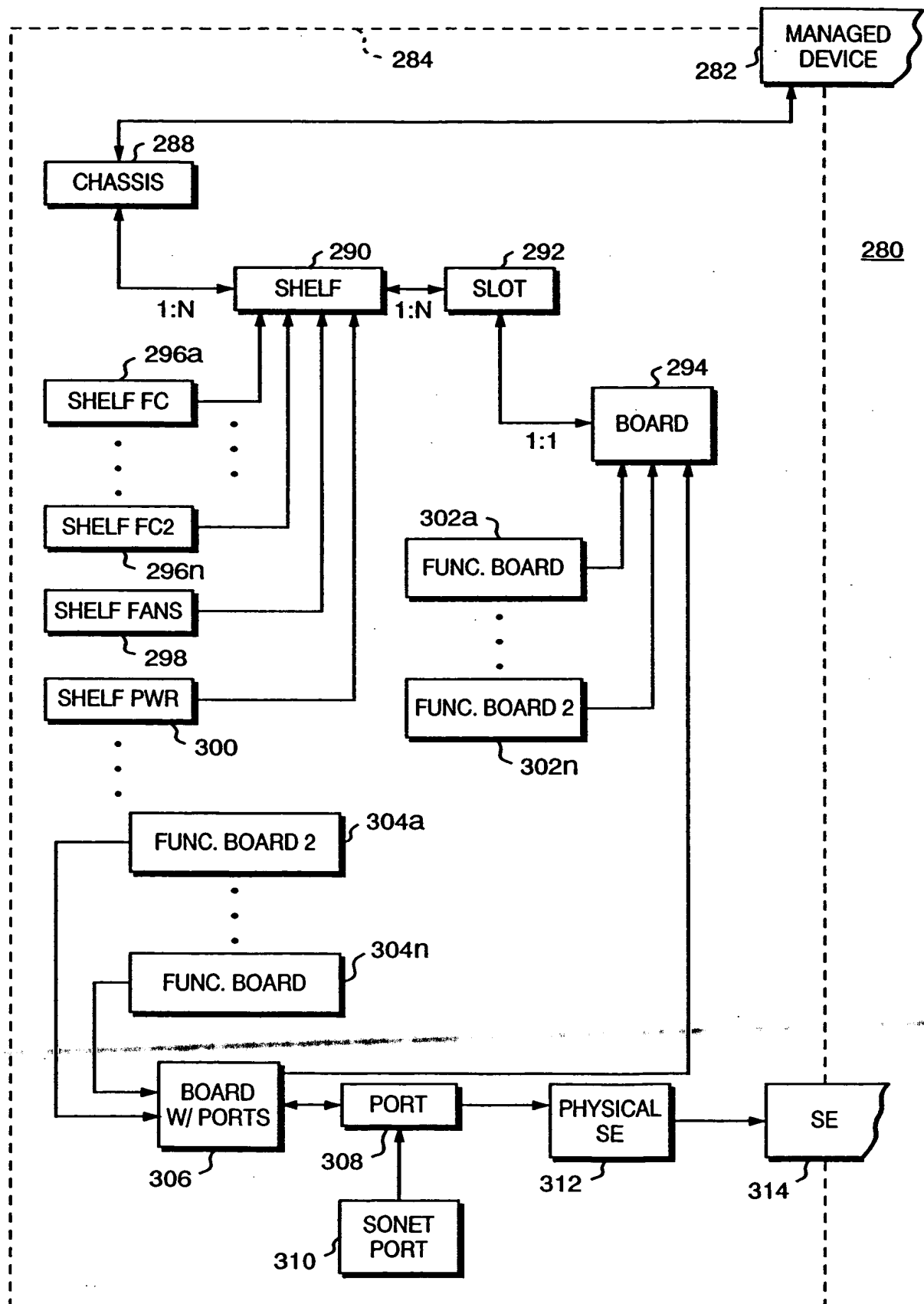


FIG. 3A

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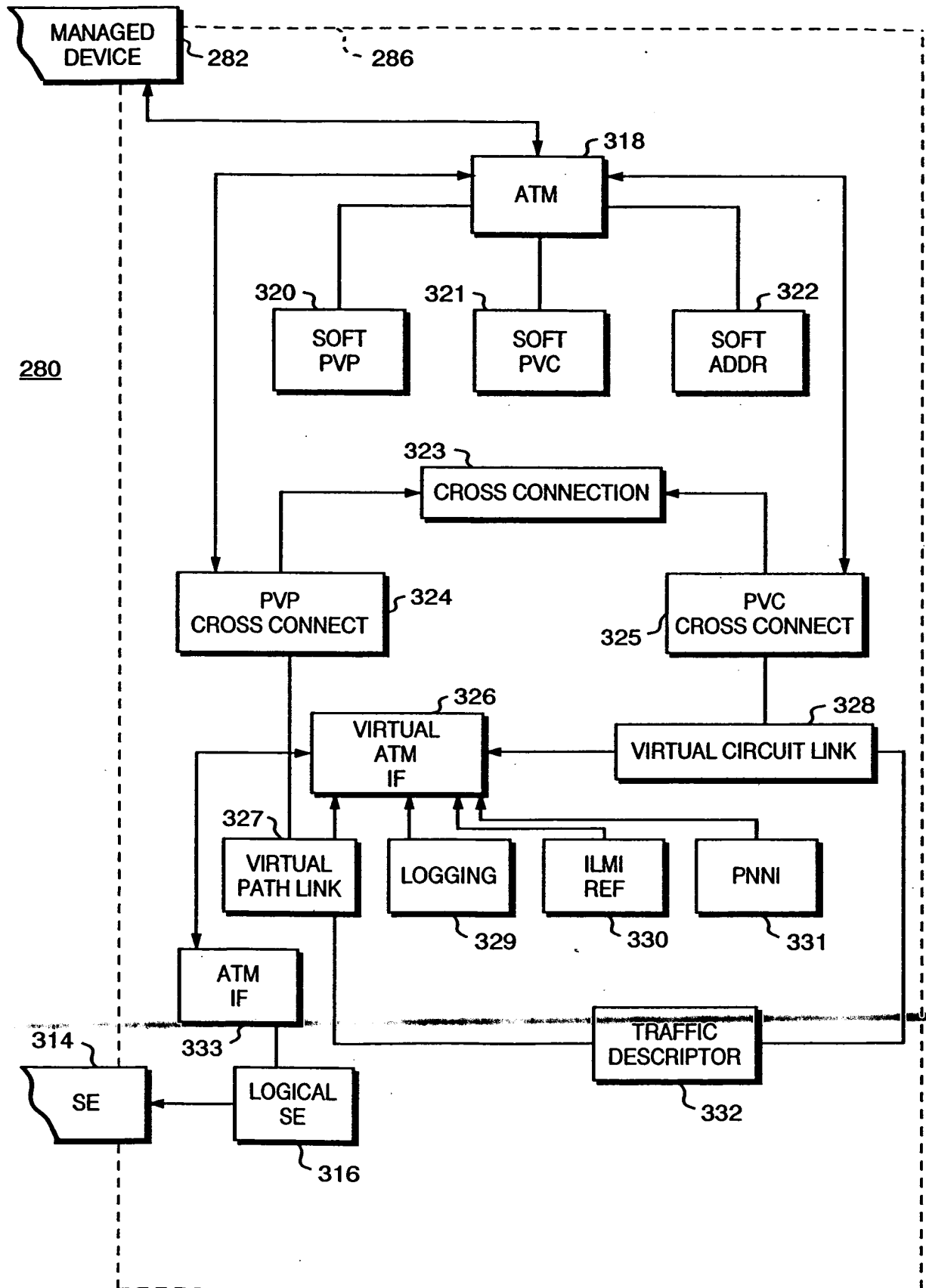


FIG. 3B

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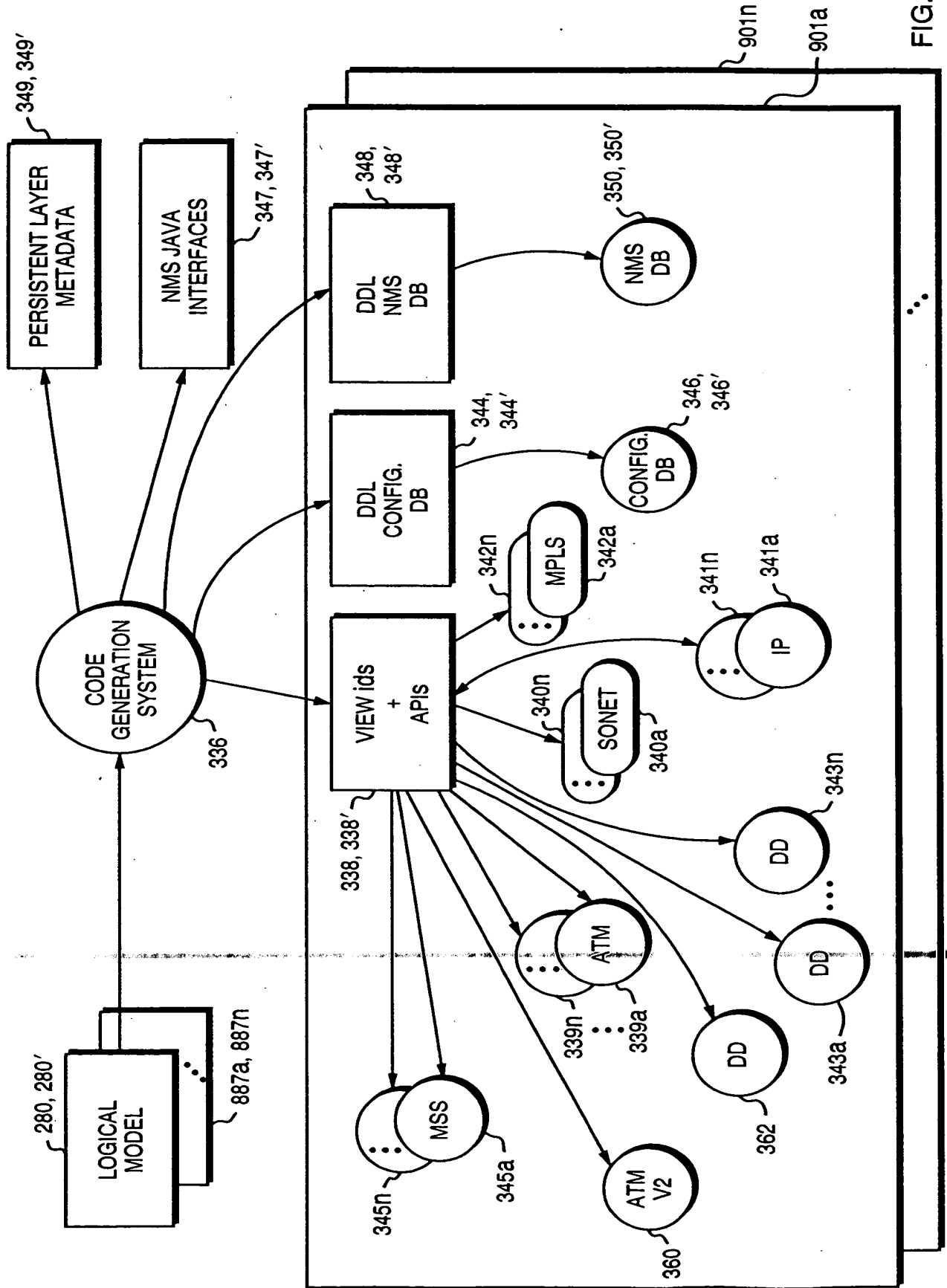


FIG. 3C

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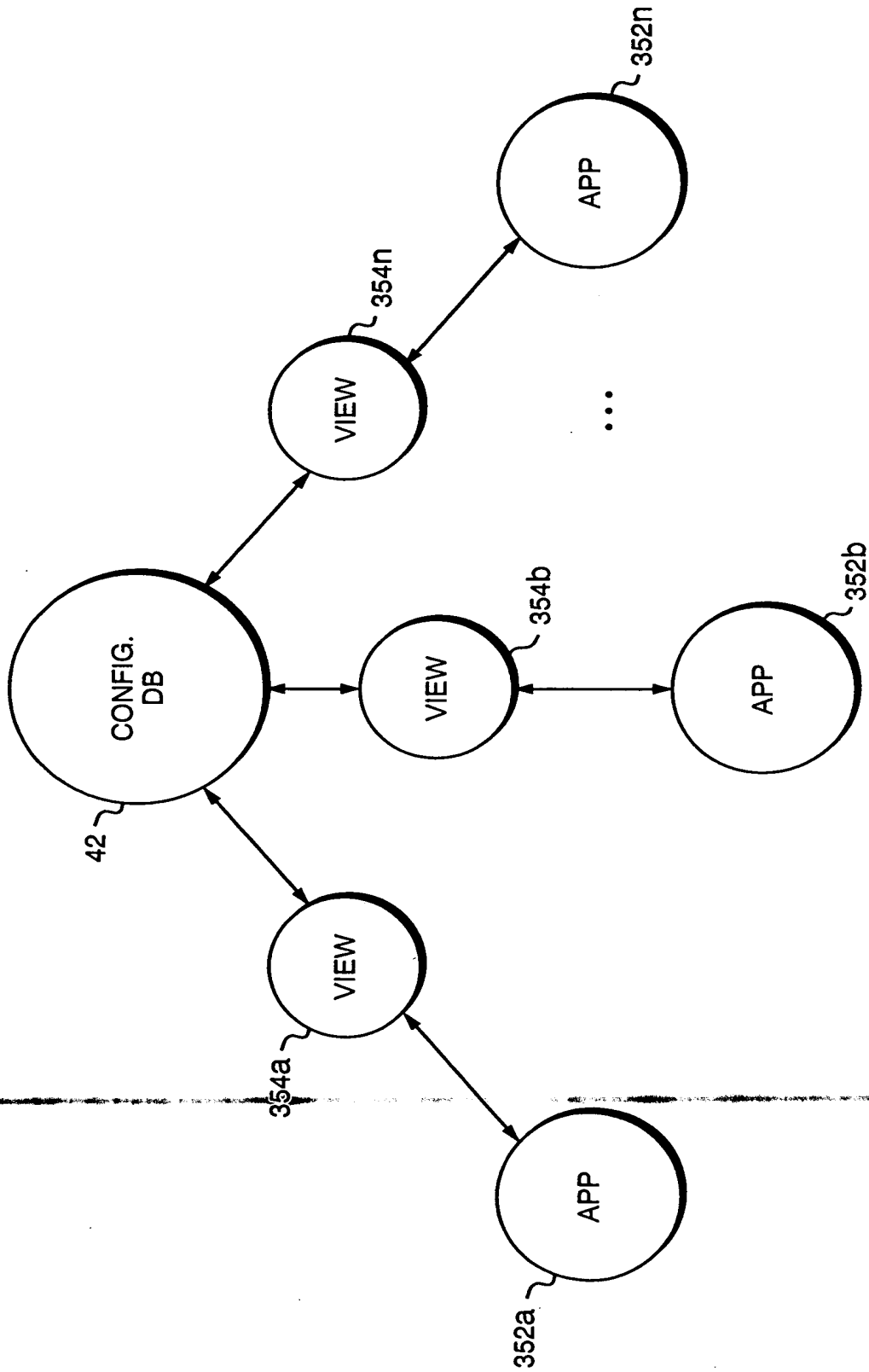


FIG. 3D

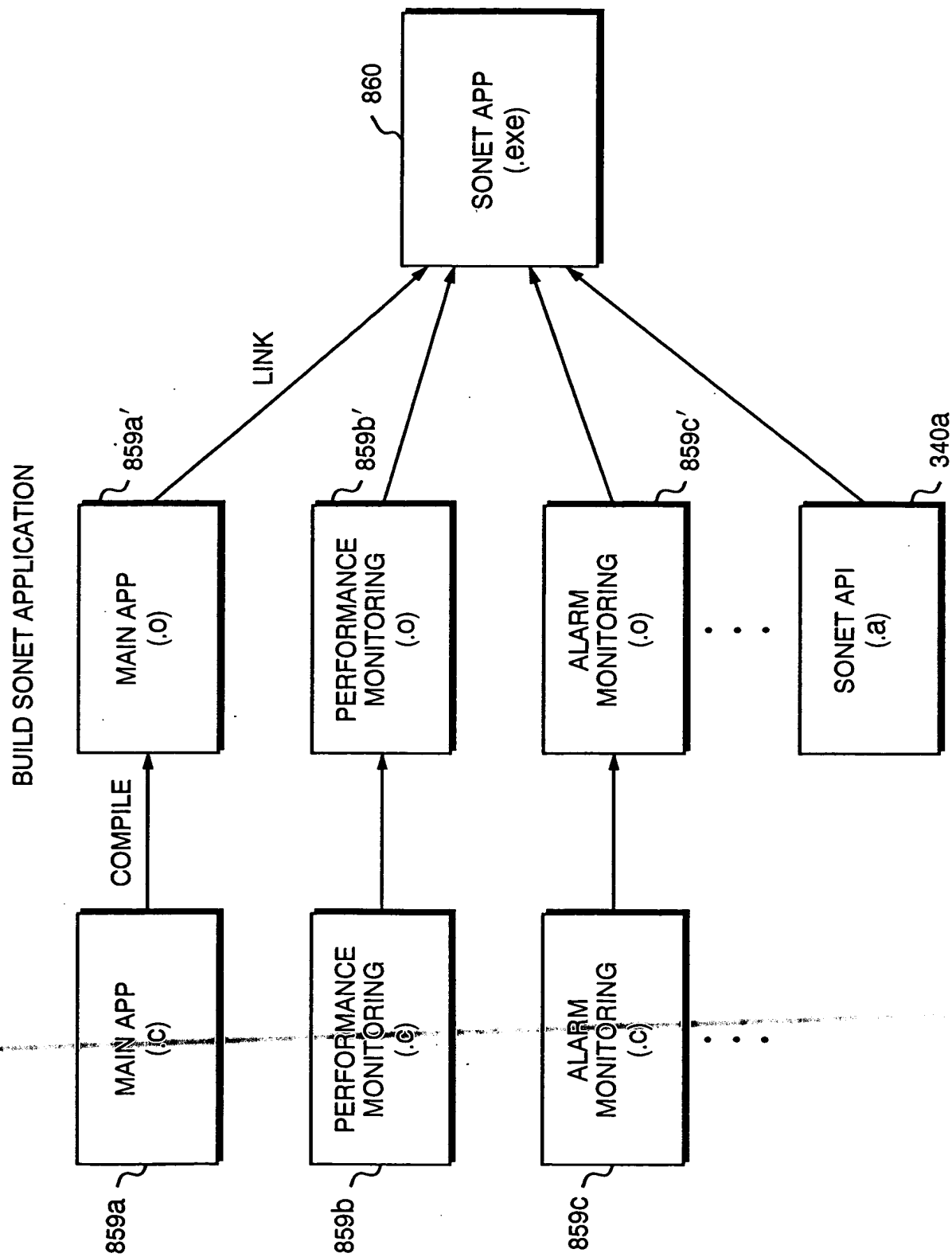


FIG. 3E

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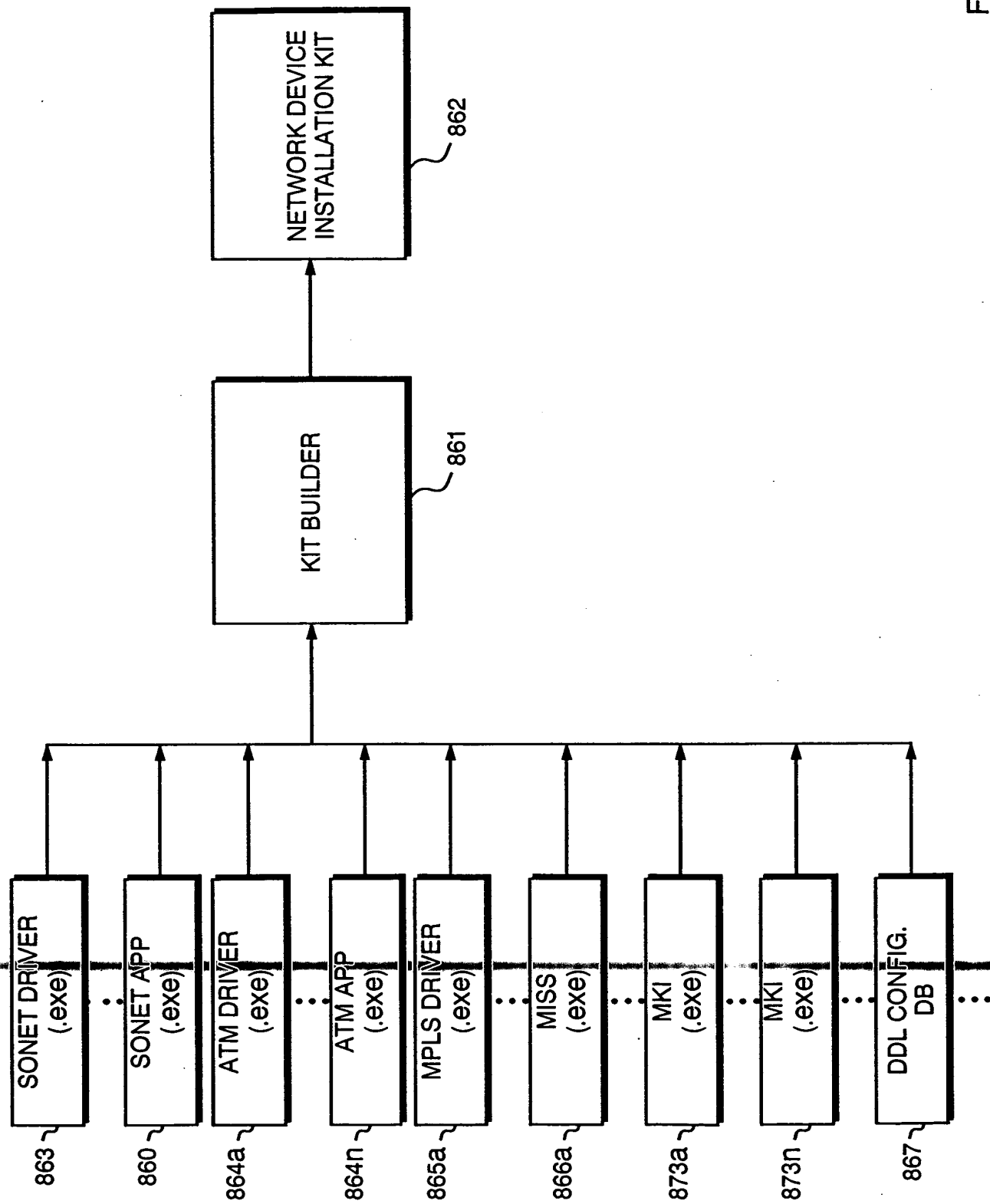


FIG. 3F

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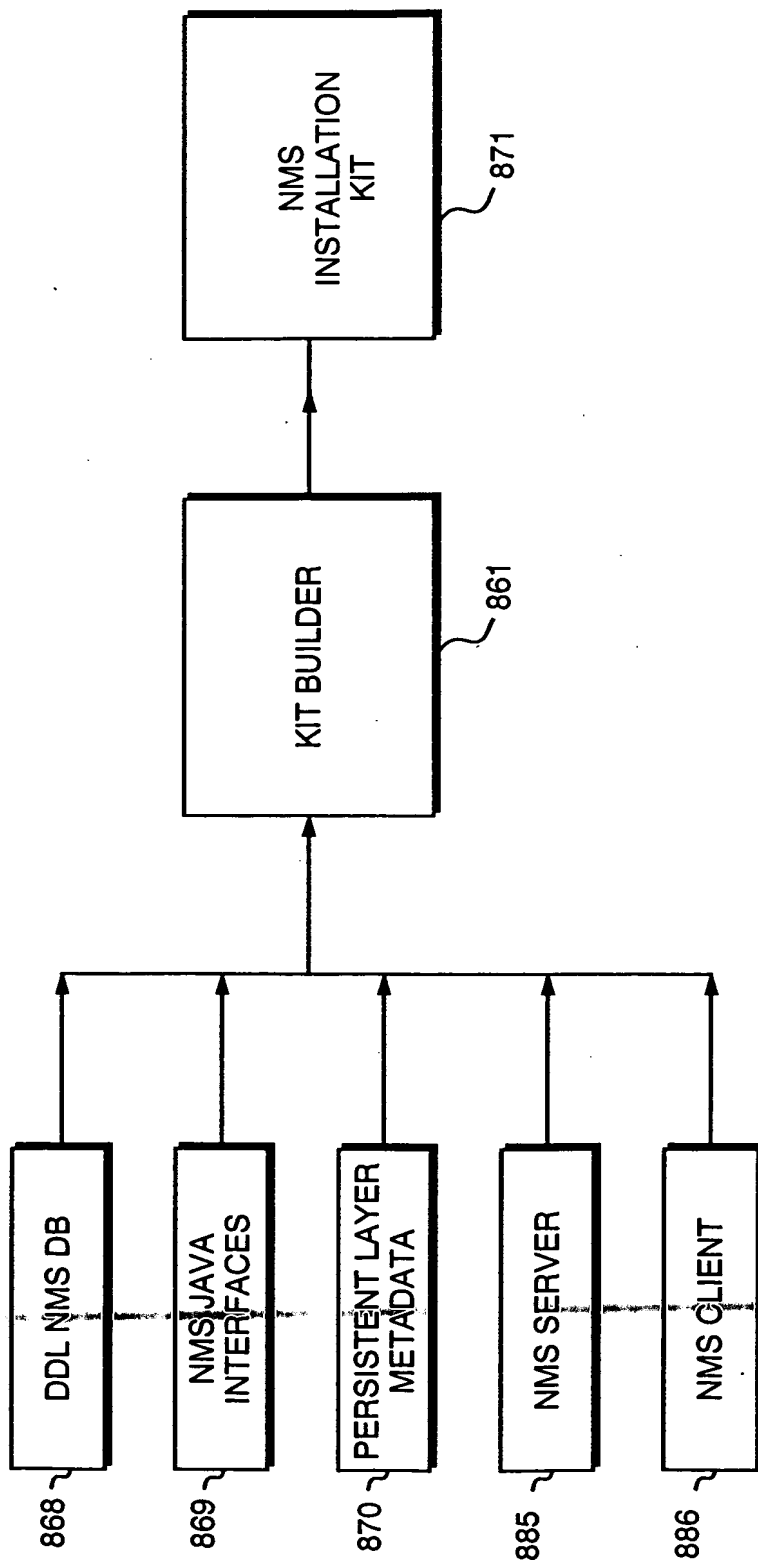


FIG. 3G

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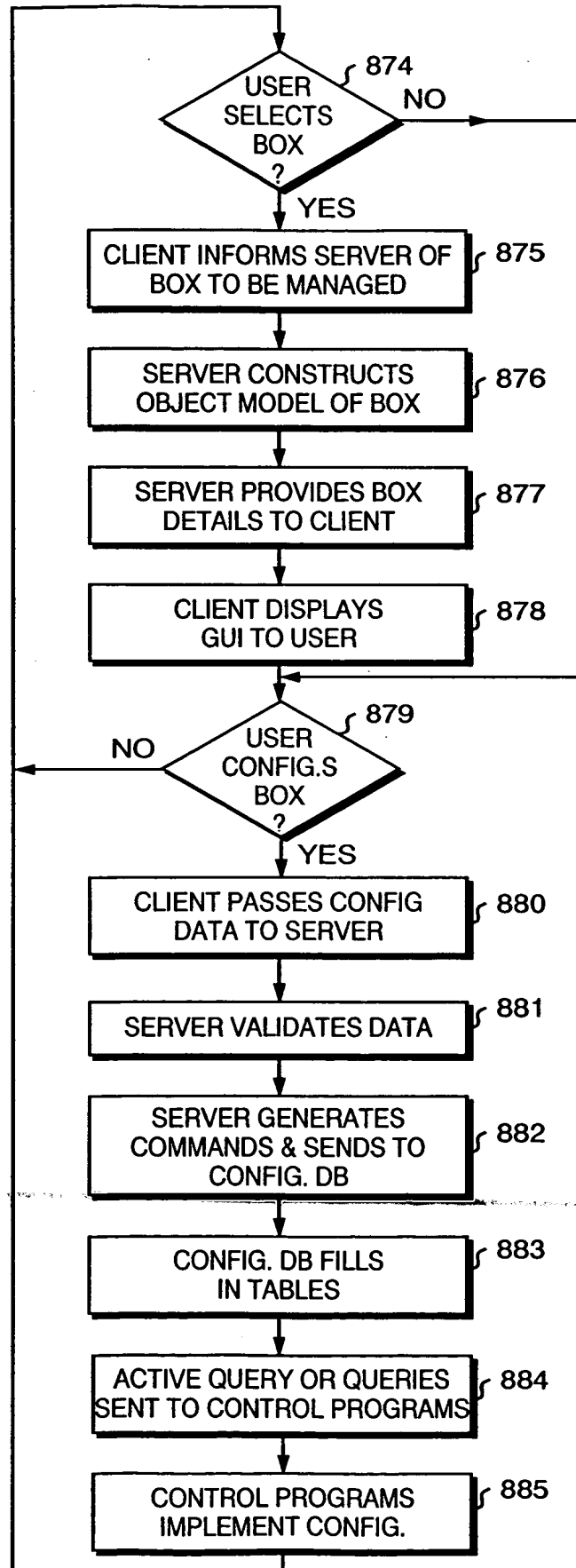


FIG. 3H

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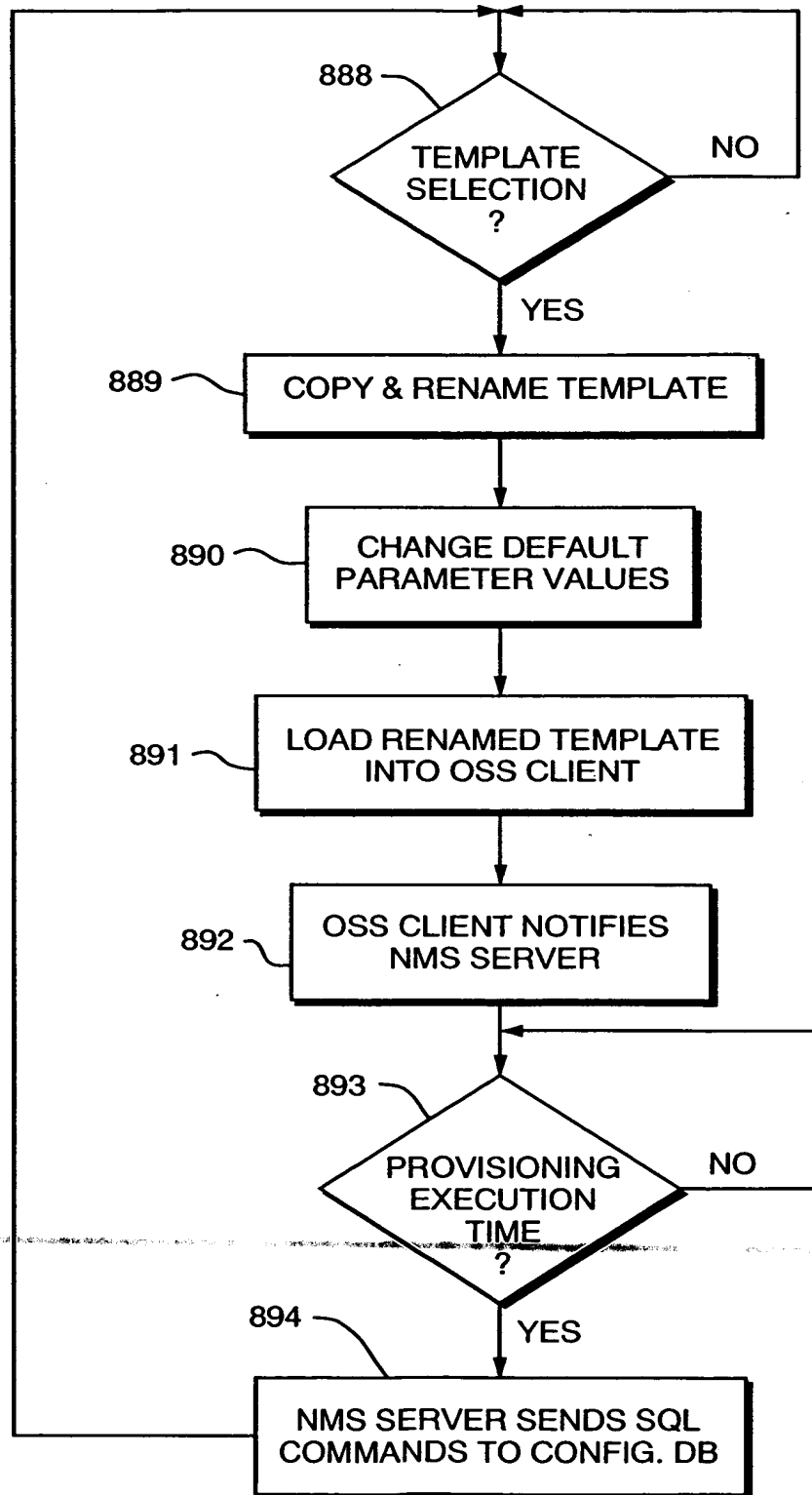
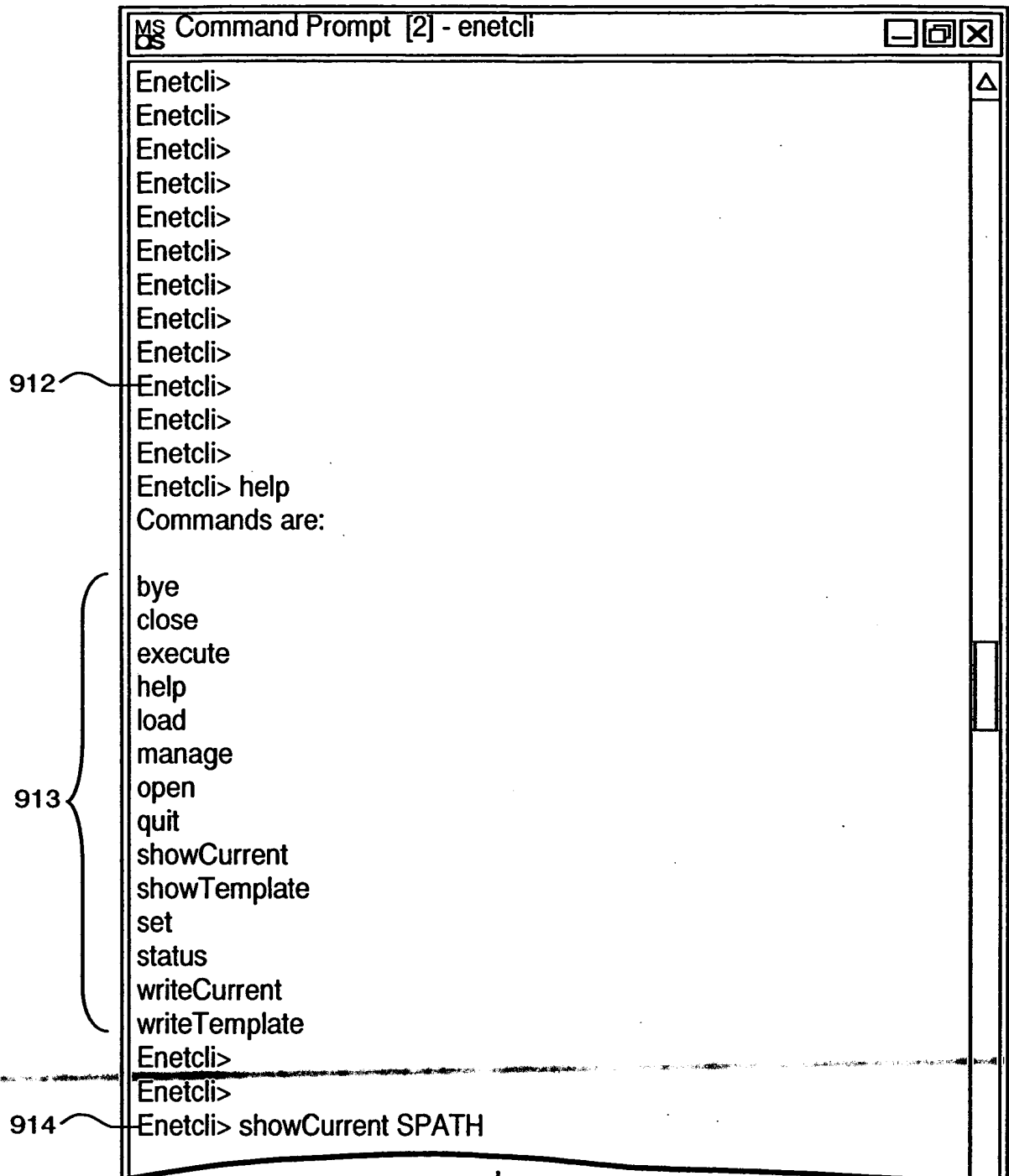


FIG. 3I

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TO FIG. 3K

FIG. 3J

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FROM FIG. 3J

915 { ATMIfName=ATMIf11/1/1
 Concatenated=false
 Name=Path11/1/1
 Operant=SPATH
 Operator=Create
 PortID=1
 Position=1
 Service=ATM
 ShelfID=11
 SlotID=1
 Type=Terminated
 Version=V1_1_0_0
 Width=STS3
 Enetcli>
 Enetcli>
 Enetcli>

916 { Enetcli> showTemplate SPATH
 ATMIfName=<String>[TerminatedOnly]
 Concatenated=<true:false>
 Name=<String>
 Operant=SPATH
 Operator=<Create:Replace:Update:Delete>
 PortID=<Integer><1-16>
 Position=<Integer>
 Service=<None :ATM>
 ShelfID=<11[top],13[bottom]>
 SlotID=<Integer><1-8>
 Type=<switched :Terminated>
 Version=V1_1_0_0
 Width=<STS1:STS3:STS12:STS48>
 Enetcli>
 Enetcli>

918 { Enetcli> status
 919 { Not currently connected to server
 920 { Supporting templates: CONTROL, PVC, SPATH, SPVC,TD, and VAIF
 Enetcli>

FIG. 3K

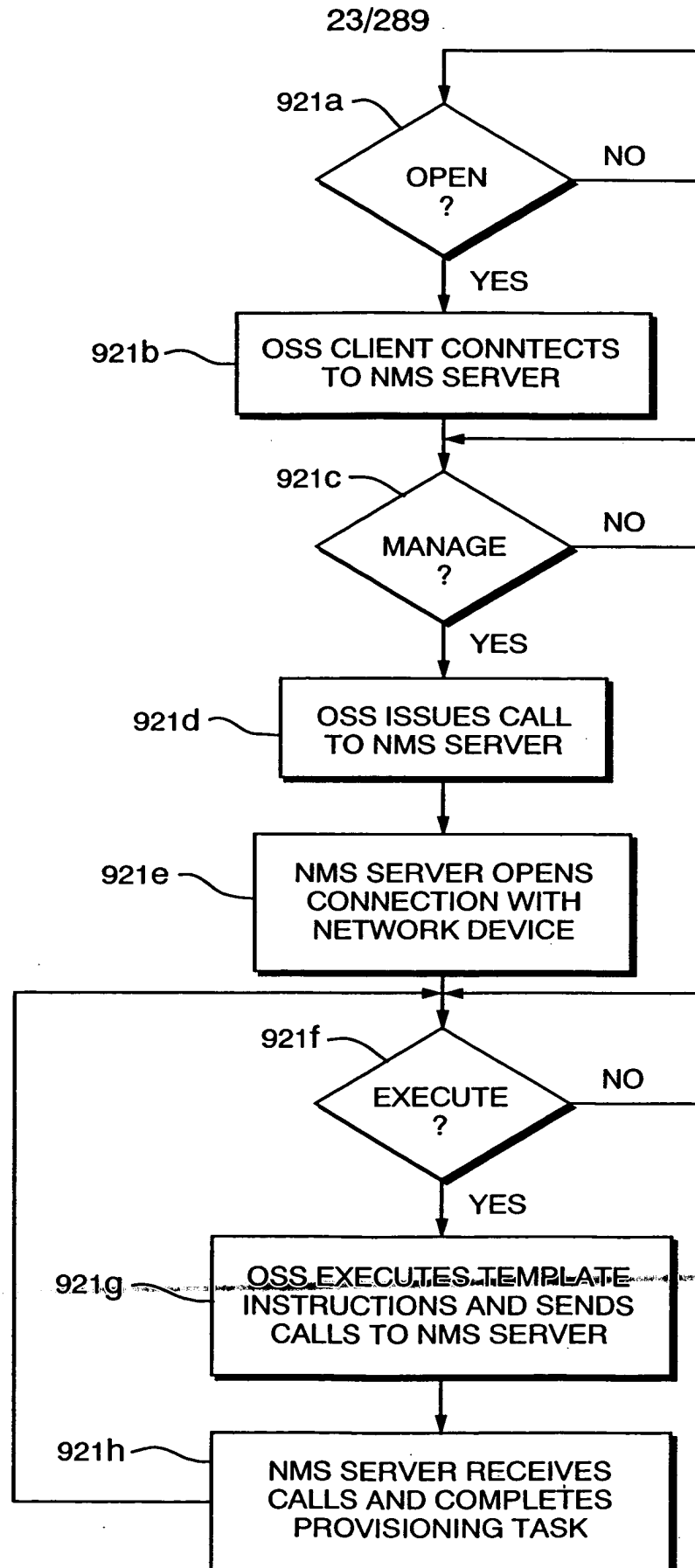


FIG. 3L

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```
MS Command Prompt [2] - enetcli
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
922 Enetcli> showCurrent CONTROL
input=Q:\nms\com\equipecom\nms\utils\enetcli
Interactive=false
Operant=CONTROL
923d Operator=Manage
923f Output=Q:\nms\com\equipecom\nms\utils\enetcli
923c Password=None
923e System=192.168.9.202
923b User=None
923g Version=V1_1_0_0
923a Server=localhost
Enetcli>_
```

FIG. 3M

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BATCH

924



Operant=BATCH

Operator=Execute

Version=V1_1_0_0

- 924a ~ TASK1=execute-SPATH
- 924b ~ TASK2=execute-PVC
- 924c ~ TASK3=execute-SPVC
- 924d ~ TASK4=load-SPVC-spvc1
- 924e ~ TASK5=execute-SPVC
- 924f ~ TASK6=load-SPVC-spvc2
- 924e ~ TASK7=execute-SPVC
-
-
-
- 924g ~ TASK50=set-SPATH-PortID-3
- 924h ~ TASK51=execute-SPATH
- 924i ~ TASK52=set-SPATH-SlotID-2
- 924j ~ TASK53=execute-SPATH

FIG. 3N

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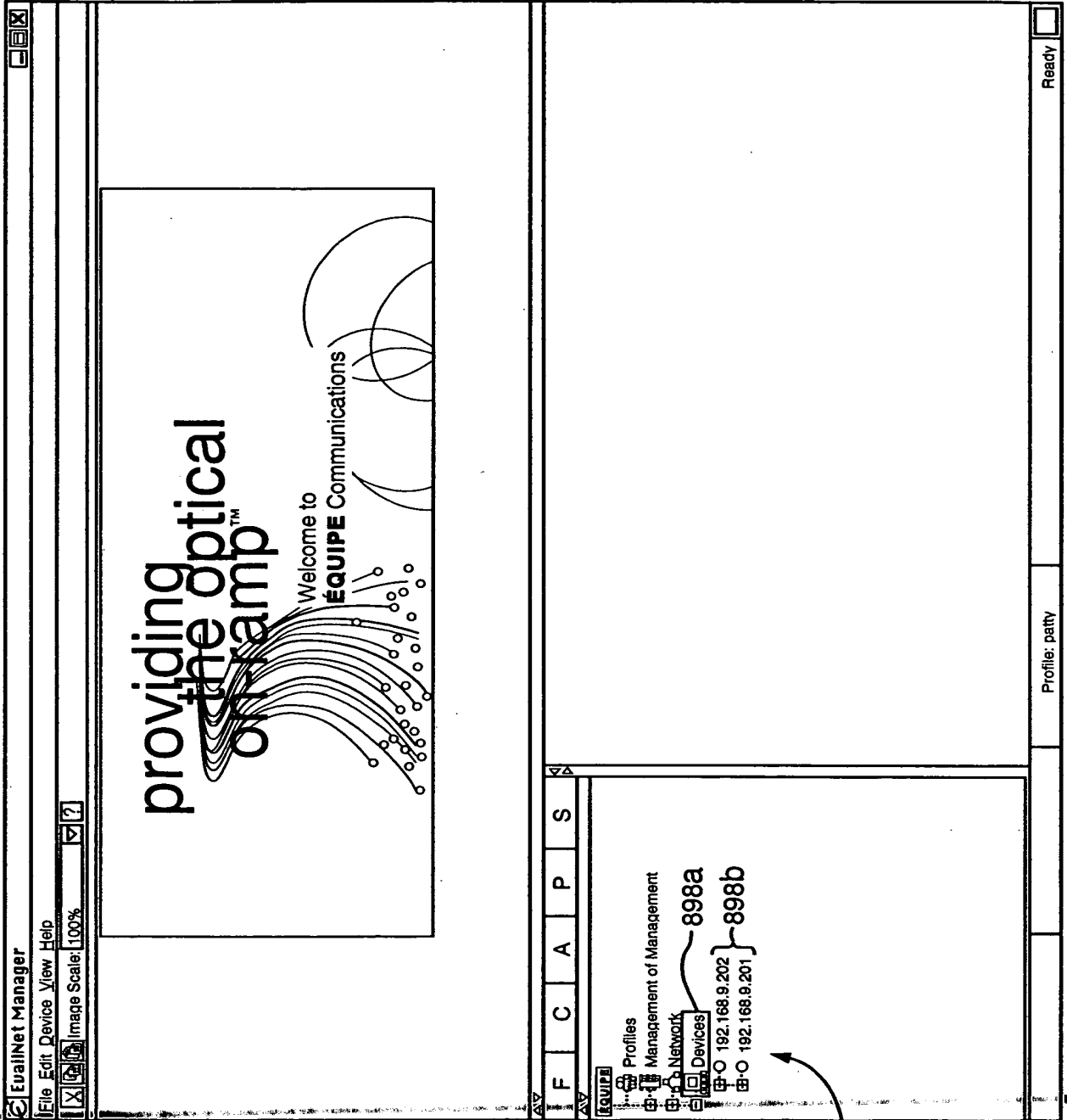
925

Operant=BATCH
Operator=Execute
Version=V1_1_0_0

925a ~ TASK1=execute-CONTROL
925b ~ TASK2=execute-SPATH
925c ~ TASK3=set-SPATH-PortID-3
925d ~ TASK4=execute-SPATH
.
.
.
925e ~ TASK61=set-CONTROL-System-192.168.9.201
925f ~ TASK62=execute-CONTROL
925g ~ TASK63=execute-SPATH
.
.
.
925h ~ TASK108=close
925i ~ TASK109=set-CONTROL-Server-Server1
925j ~ TASK110=set-CONTROL-System-192.168.8.200
925k ~ TASK111=execute-CONTROL
925l ~ TASK112=execute-SPATH
.
.
.

FIG. 30

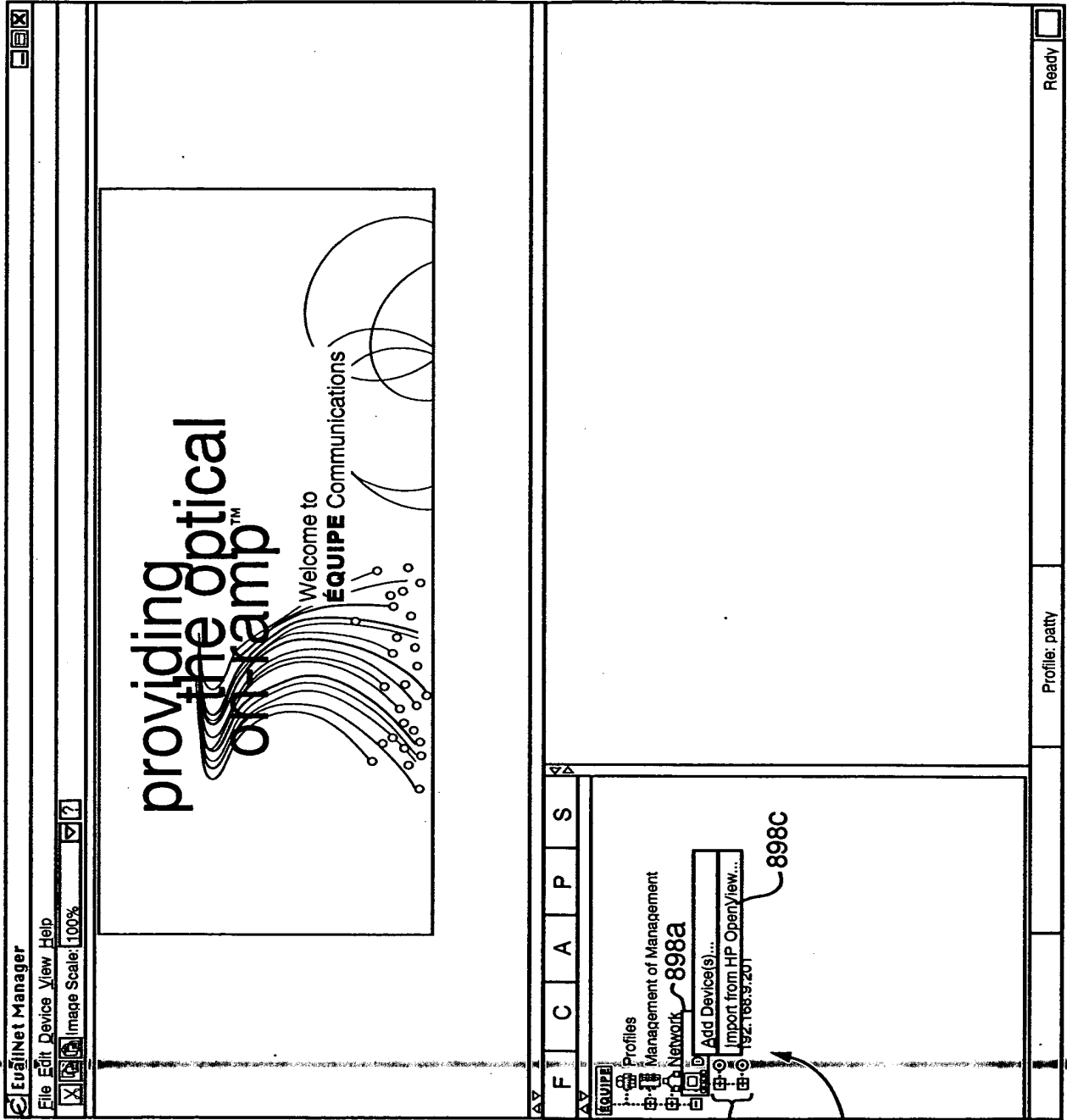
895



898

FIG. 4A

895



898b

898c

898

FIG. 4B



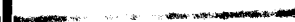
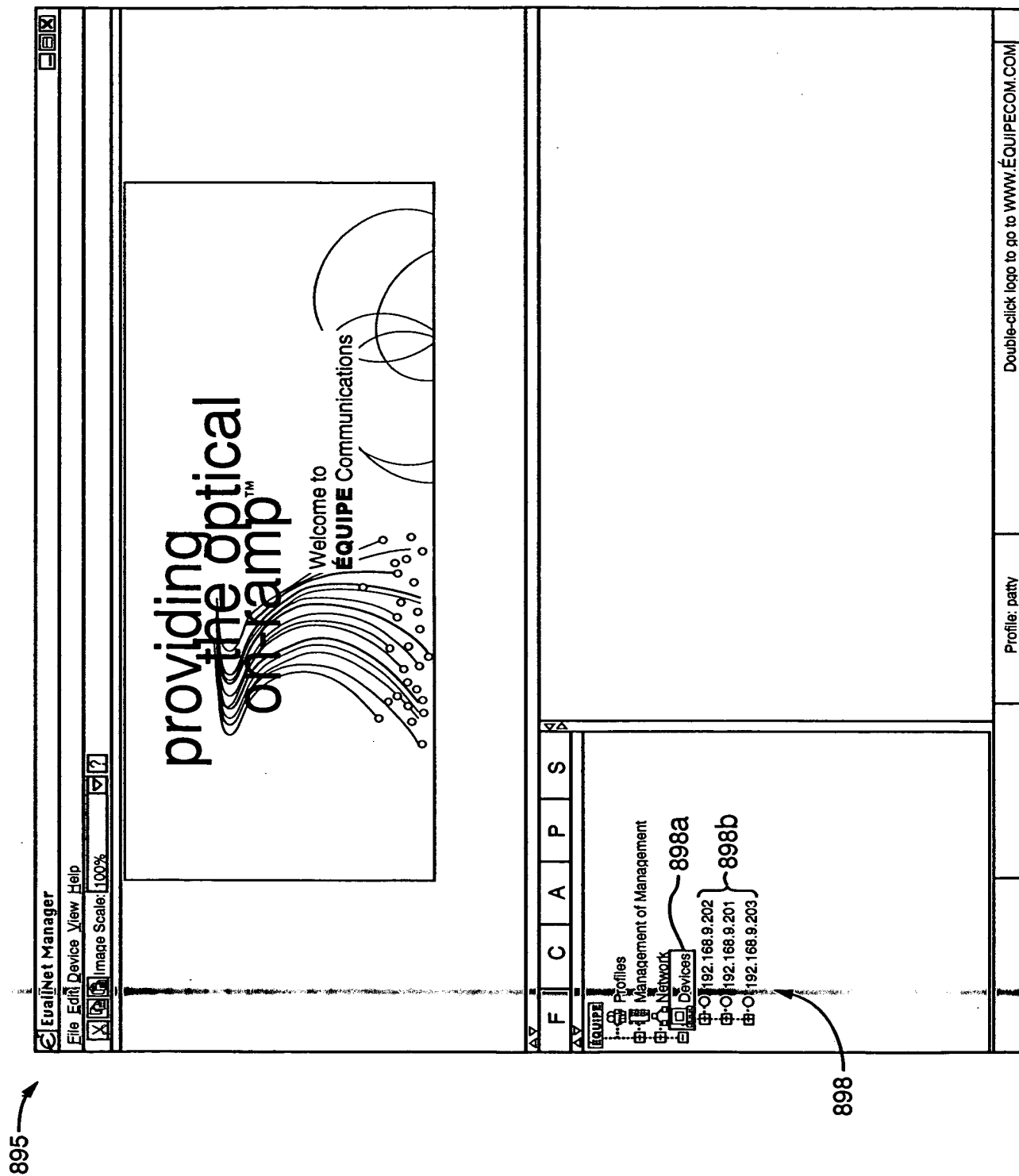


FIG. 4D



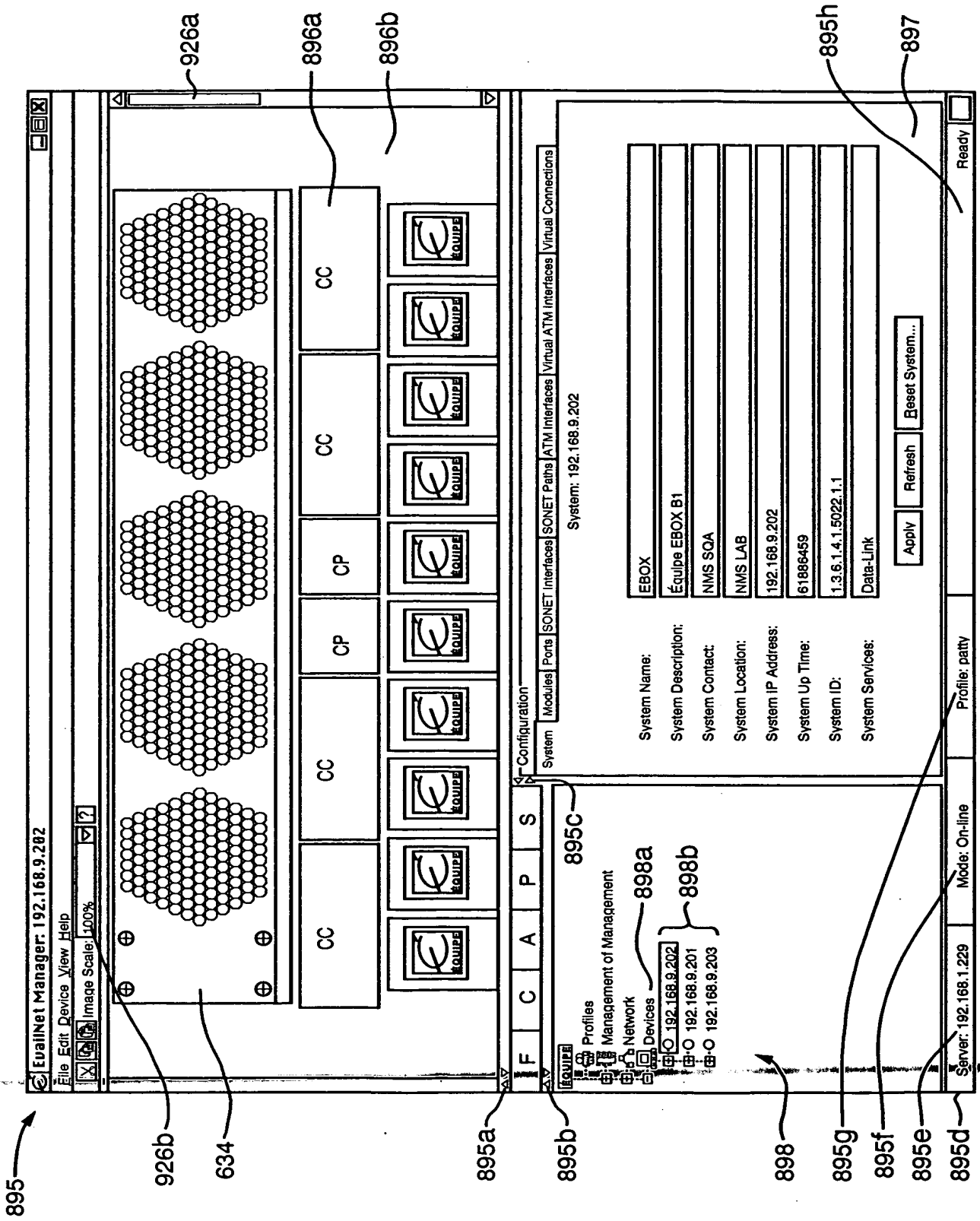


FIG. 4F

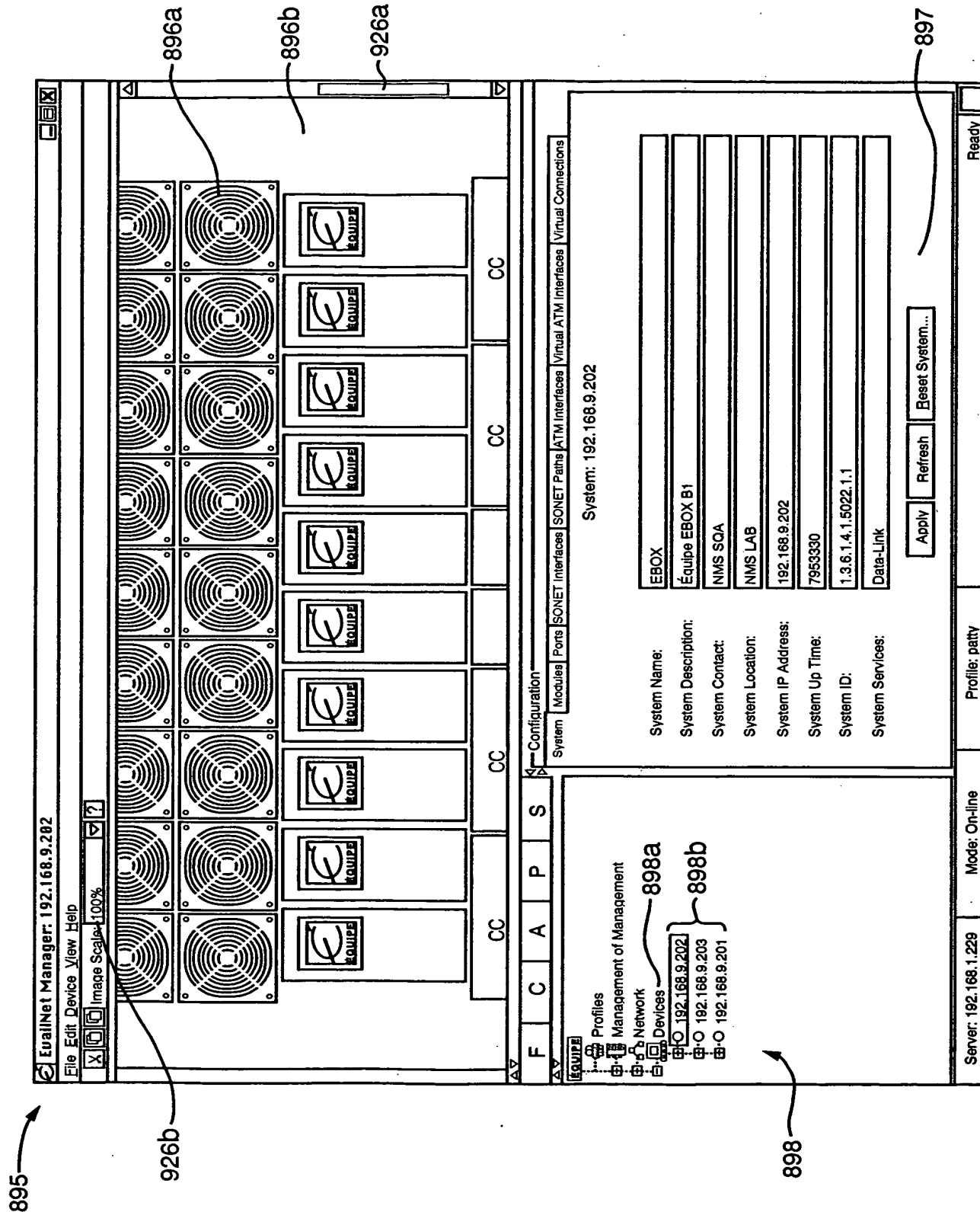


FIG. 4G

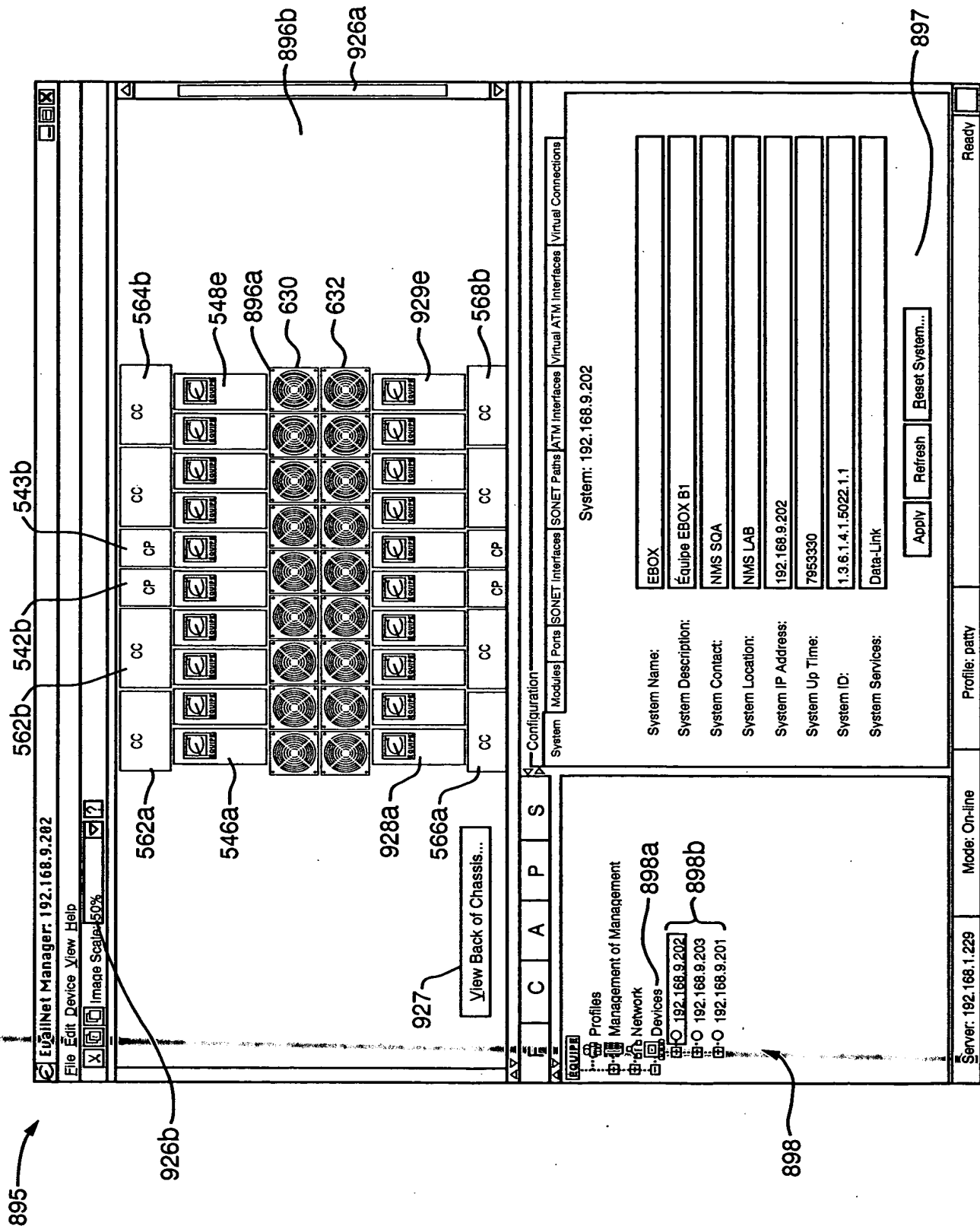


FIG. 4H

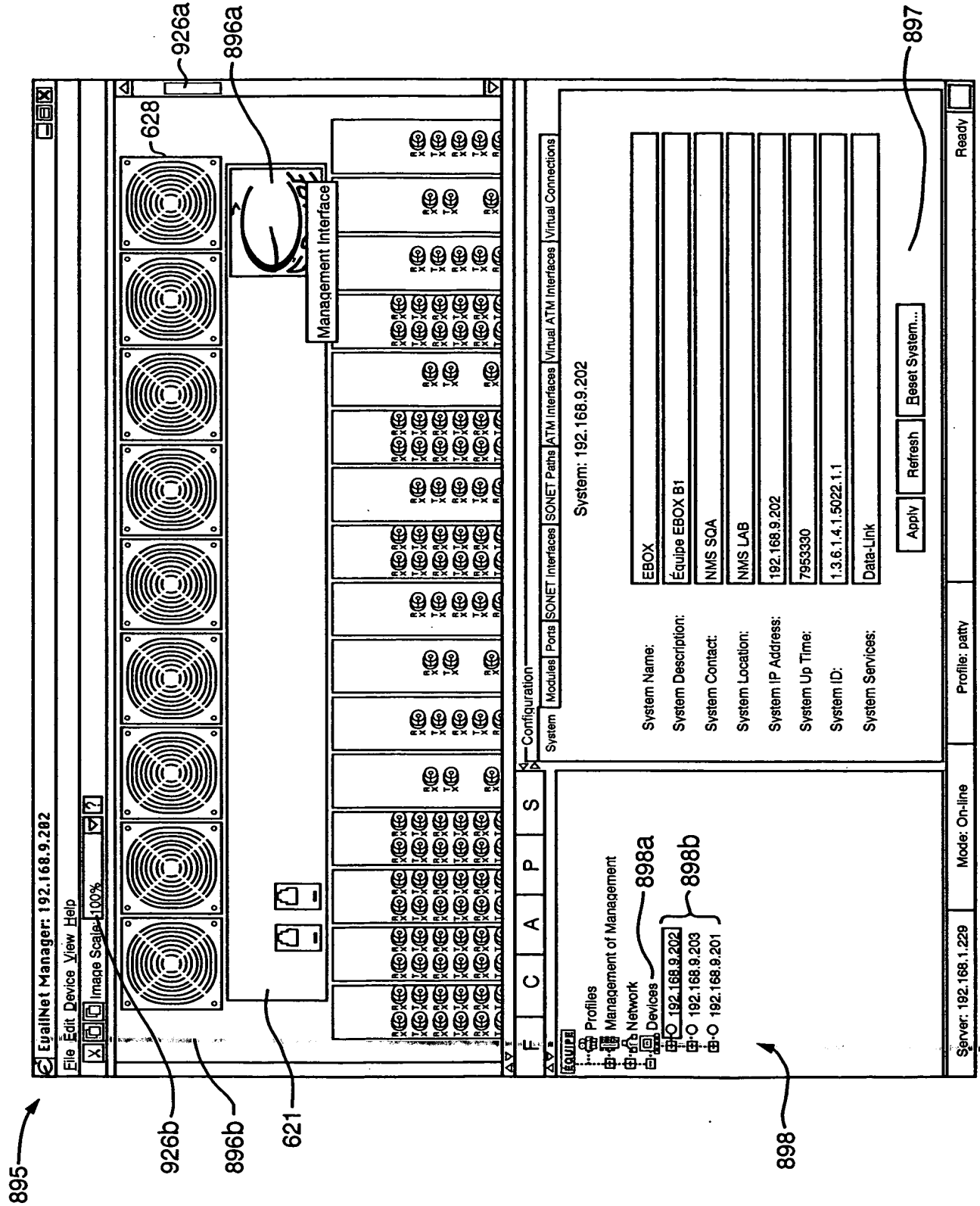


FIG. 4I

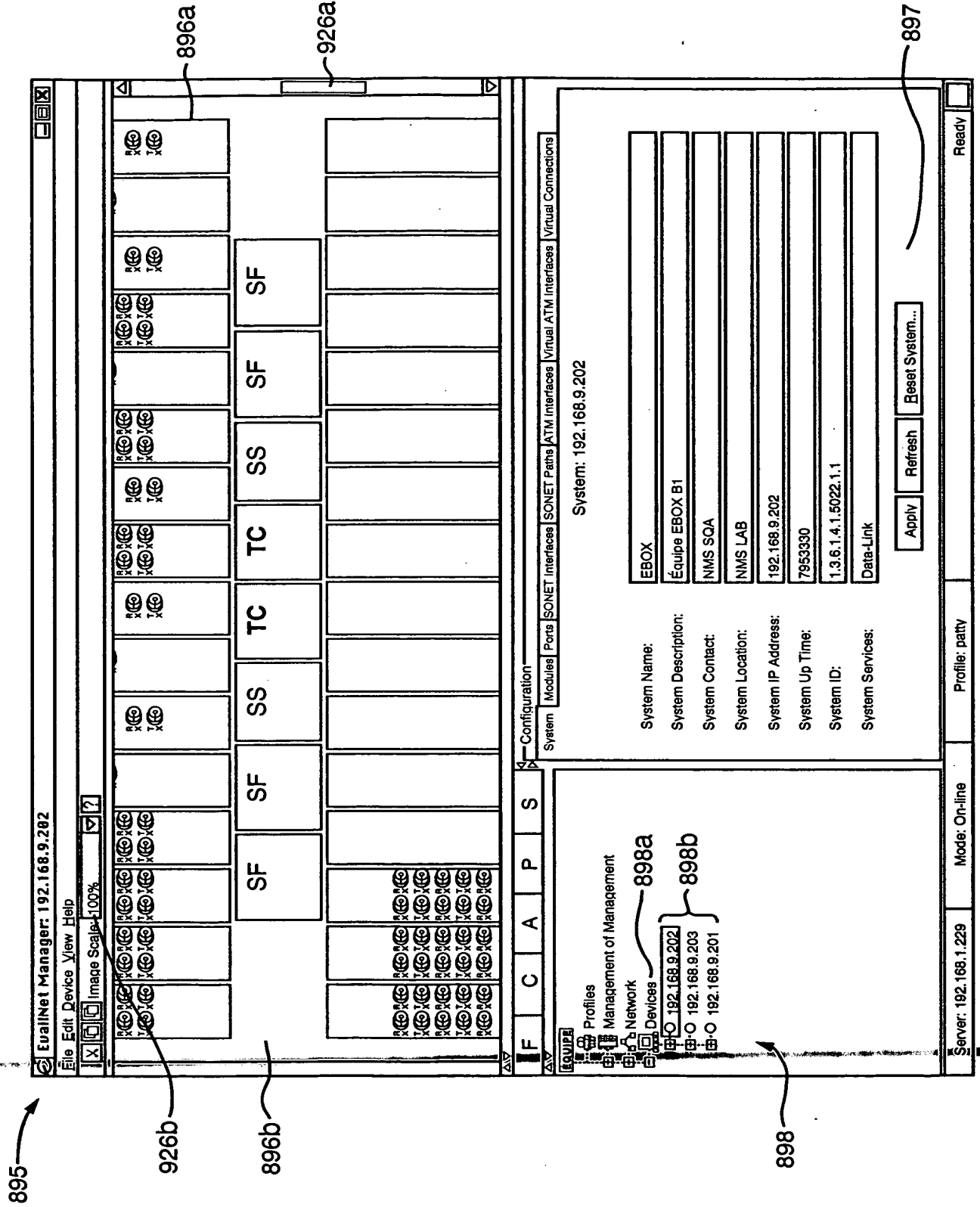


FIG. 4J

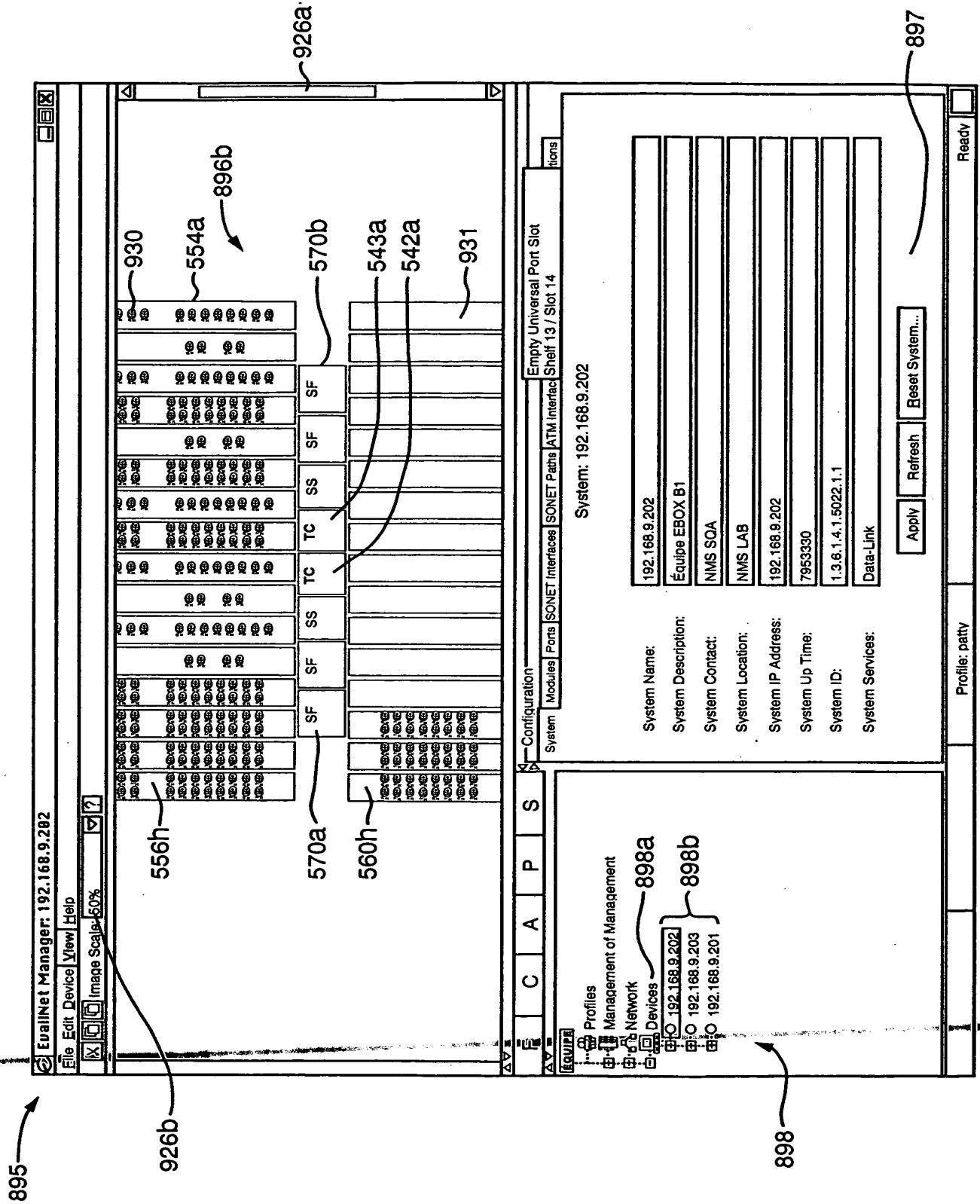
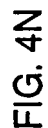


FIG. 4L

[illegible]



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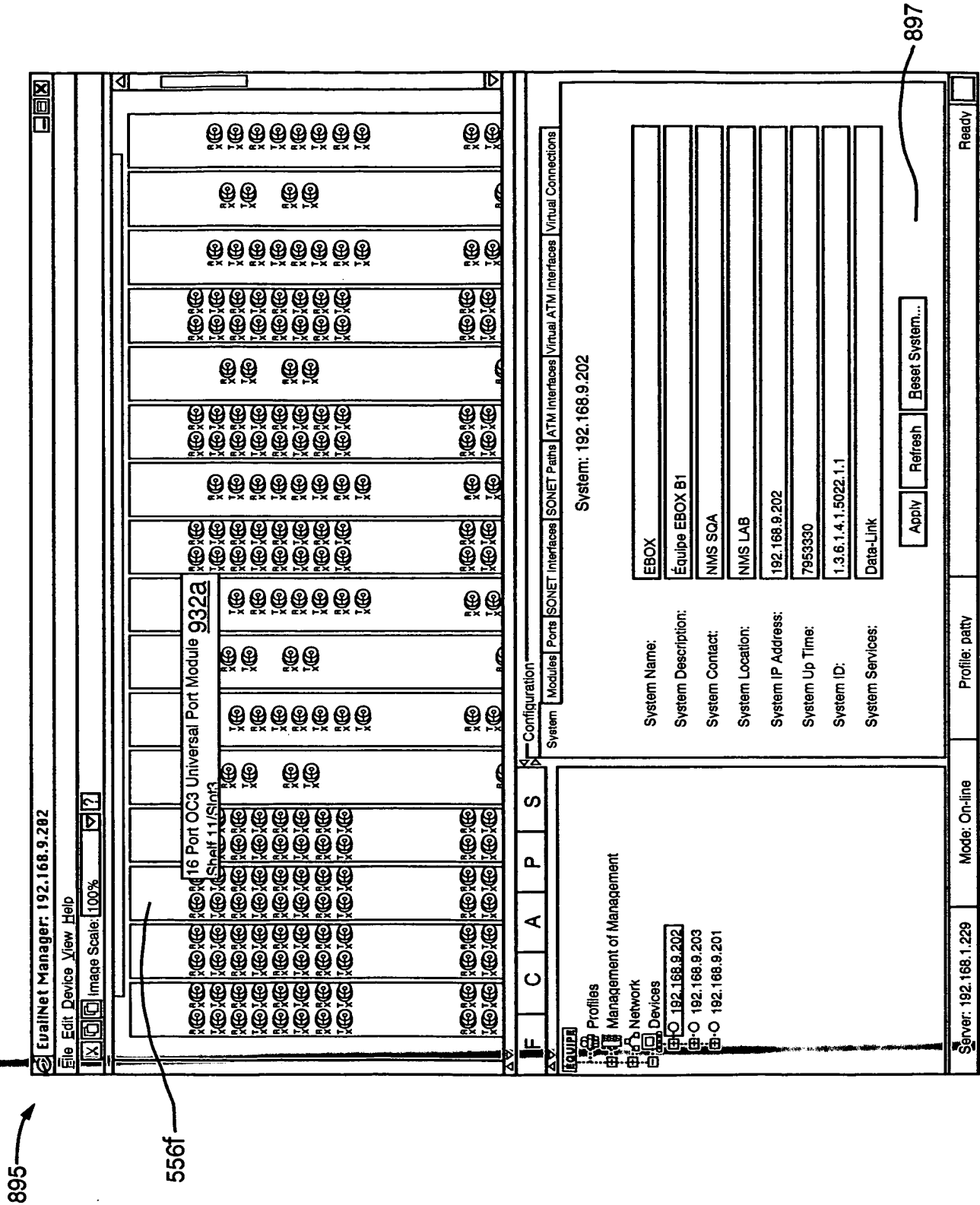


FIG. 40

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895

556e

897

EvalNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 100%

16 Port OC12 Universal Port Module 932b

Shelf 11 Slot 4

System: 192.168.9.202

Configuration

System Modules Ports SONET Interfaces ATM Interfaces Virtual ATM Interfaces Virtual Connections

System Name: EBOX

System Description: Équipe EBOX B1

System Contact: NMS SQA

System Location: NMS LAB

System IP Address: 192.168.9.202

System Up Time: 7953330

System ID: 1.3.6.1.4.1.5022.1.1

System Services: Data-Link

Apply Refresh Reset System...

Ready

Server: 192.168.1.229 Mode: On-line

Profiles Management of Management Network Devices

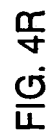
192.168.9.202

192.168.9.203

192.168.9.201

FIG. 4P

FIG. 4Q



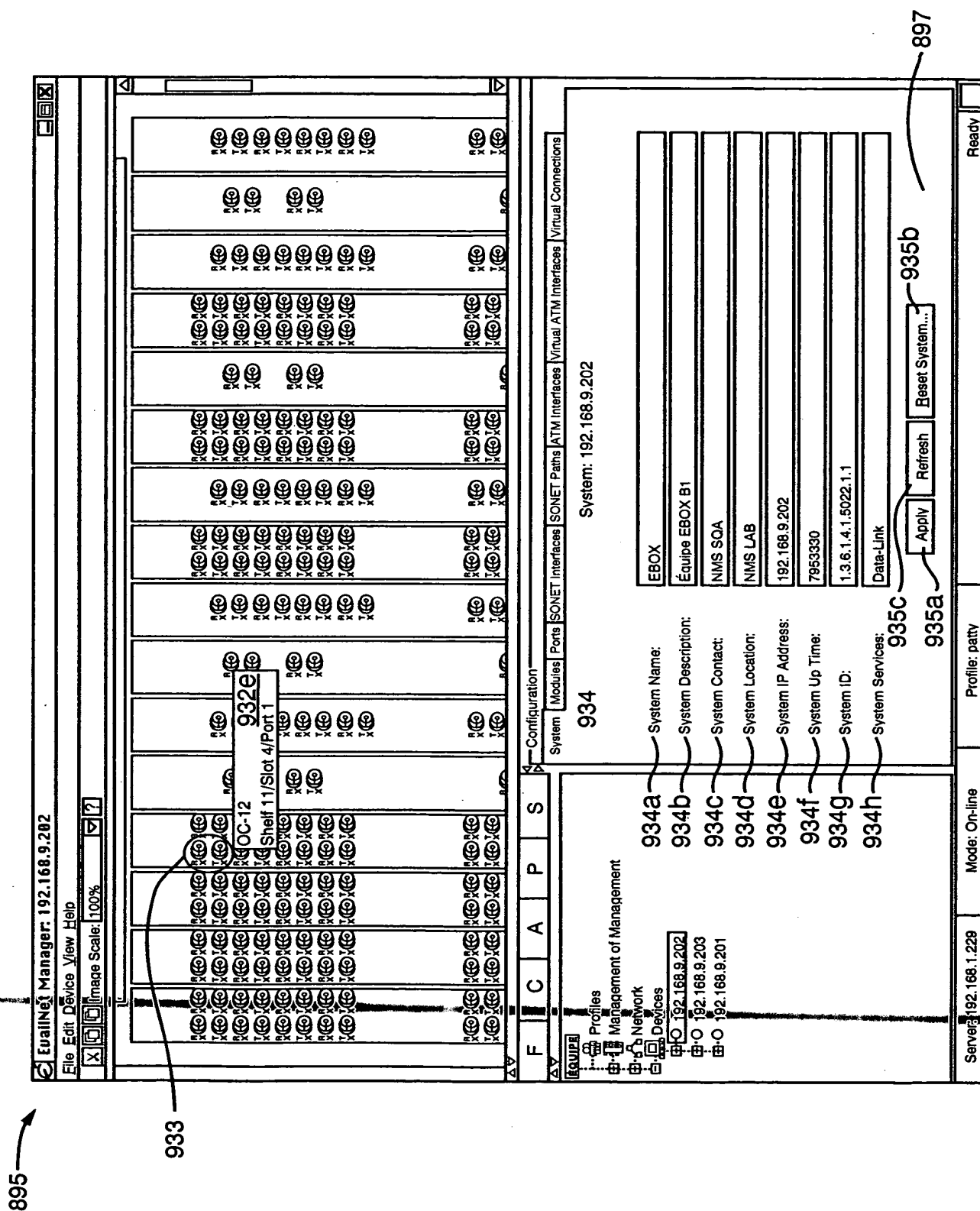


FIG. 4S

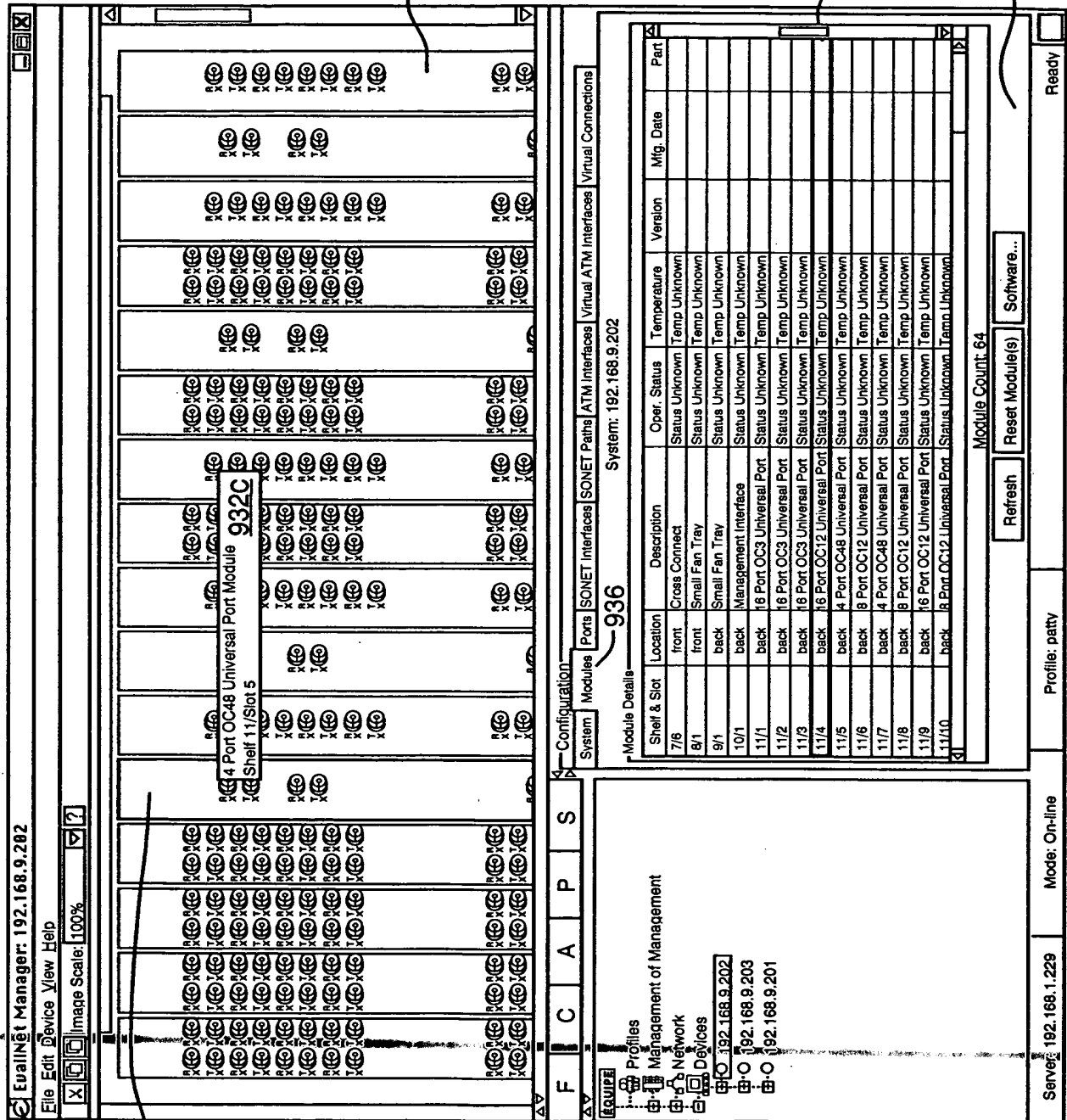


FIG. 4T

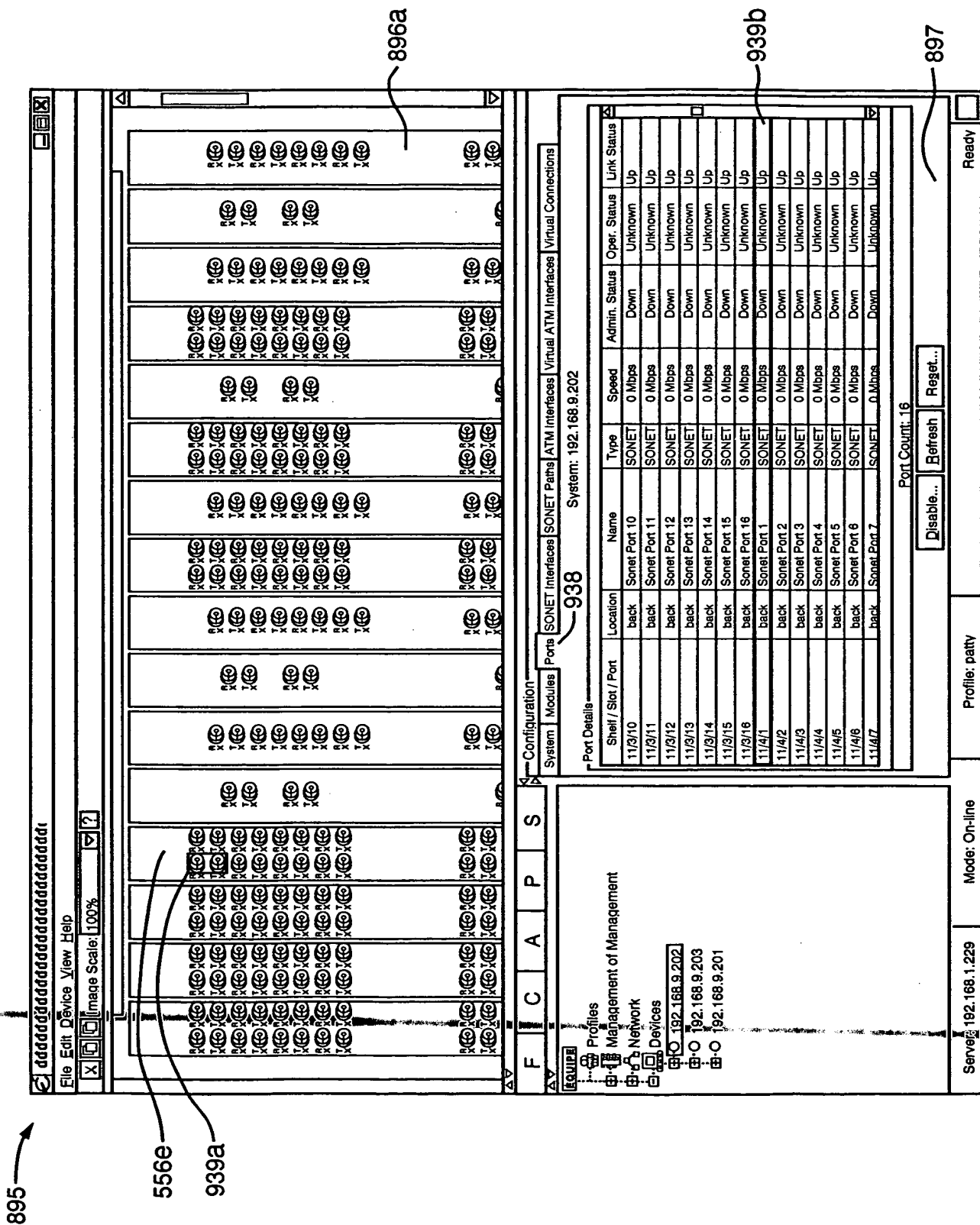


FIG. 4U

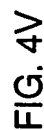


FIG. 4W

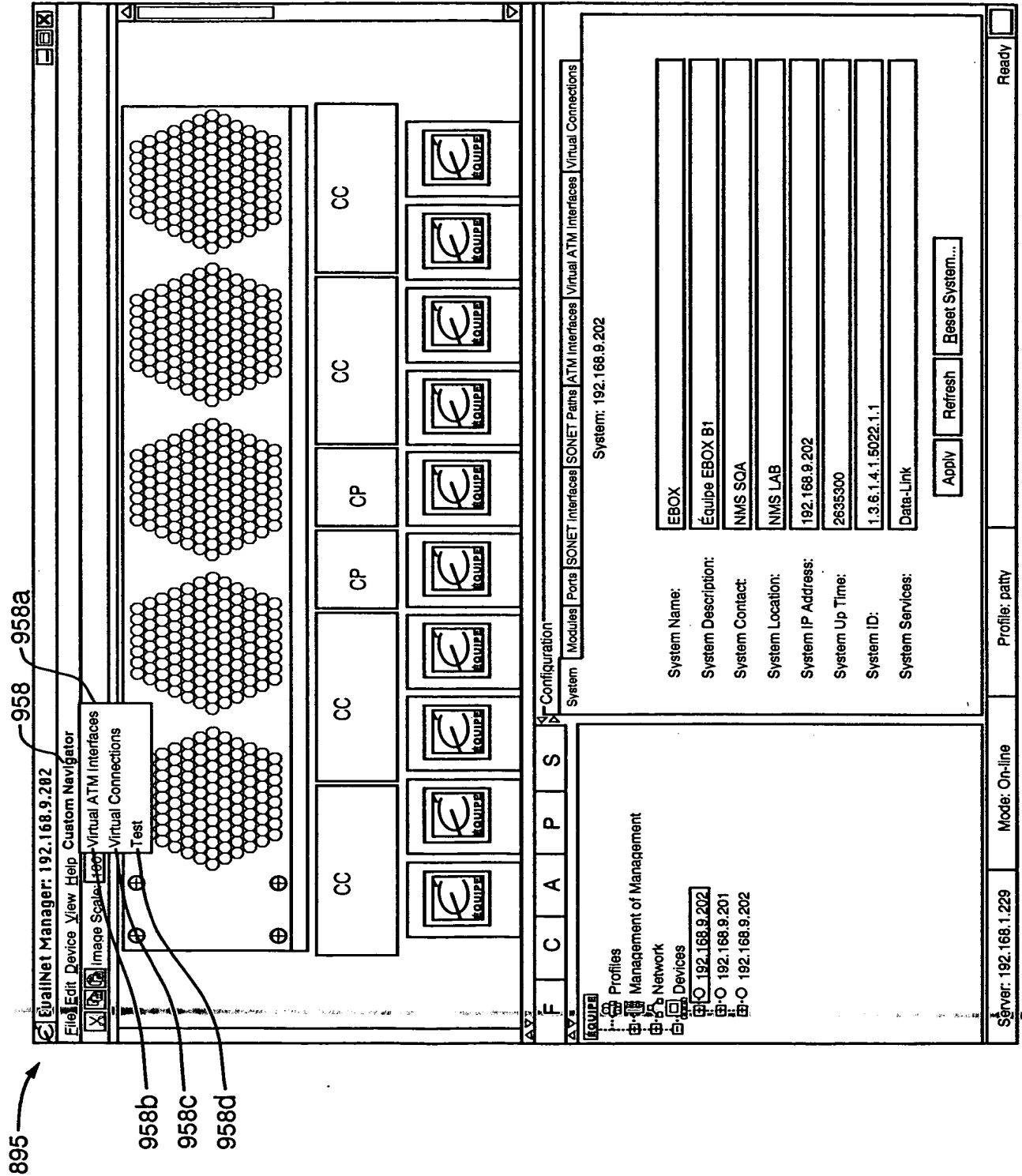


FIG. 4X

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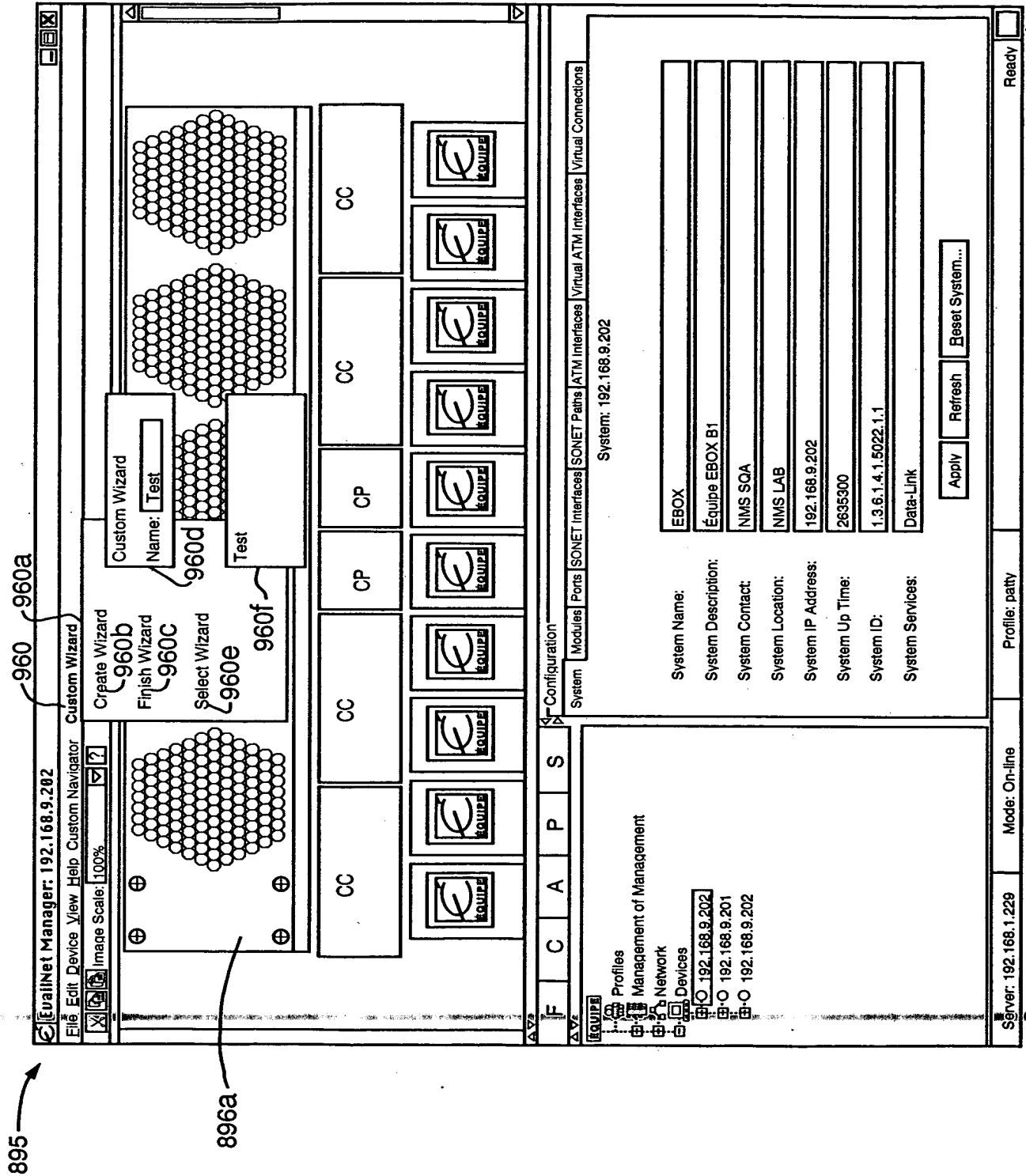


FIG. 4Y

961

✕

EvailNet Manager: SONET Path Configuration 11/5/1

System: 192.168.9.202

SONET Line

Slot

Port

Type

961a

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)

☐ Configure

4

▽

STS-12c

▽

paths

☐ Custom Configuration

Next

Cancel

961b

FIG. 4Z

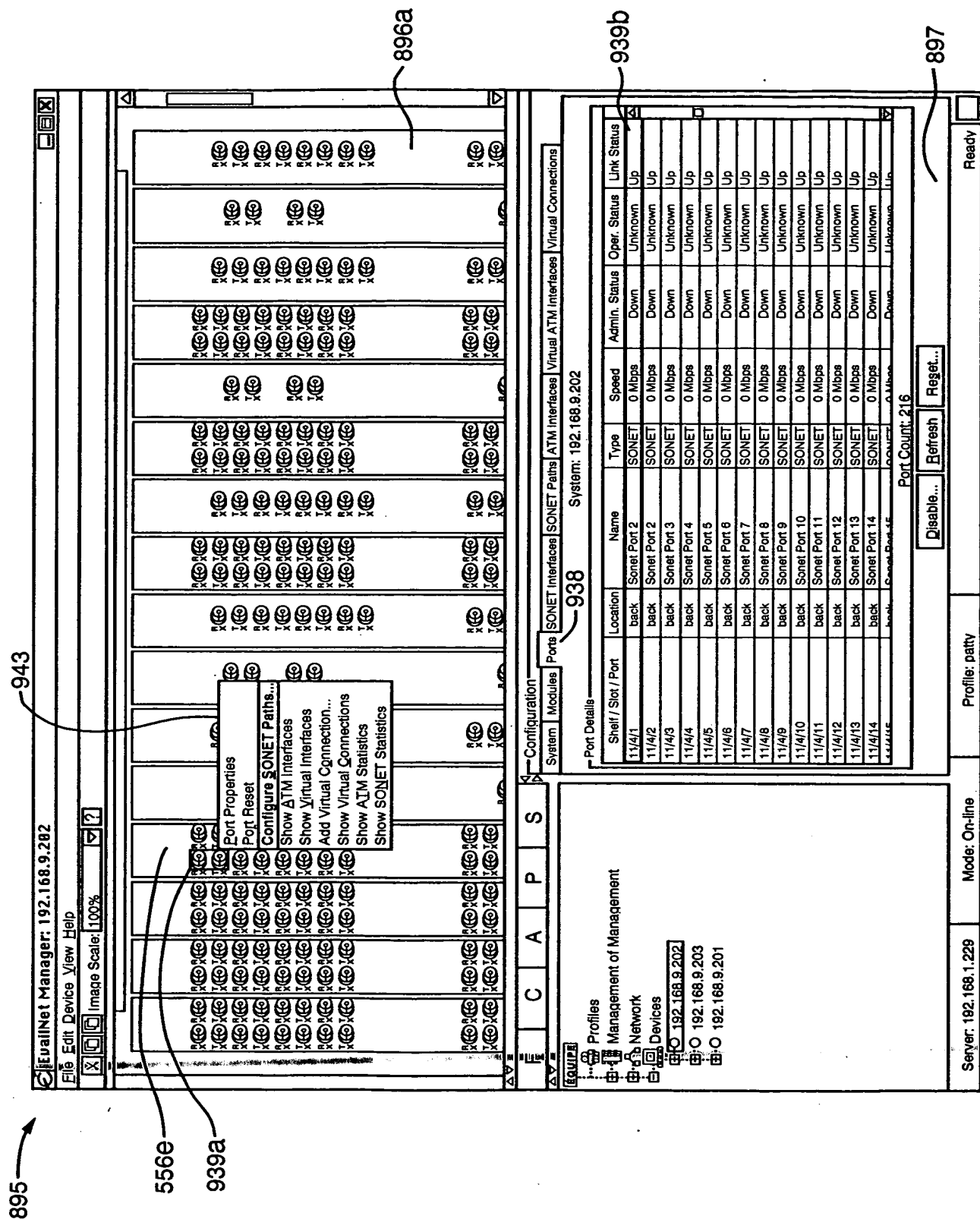


FIG. 5A

Figure 1 is a screenshot of a graphical user interface (GUI) window titled "EvallNet Manager: SONET Path Configuration - 11/4/1". The window includes a close button (X) in the top right corner. Below the title bar, the text "System: 192.168.9.202" is displayed. The main area of the window is divided into two sections. The top section, labeled "SONET Line", contains three input fields: "Slot" with the value "4", "Port" with the value "1", and "Type" with the value "OC12". The bottom section, labeled "SONET Path Wizard", contains three radio button options: "Configure a single concatenated path (STS-12c)", "Configure", and "Custom Configuration". The "Configure" option is selected. Below these options are two dropdown menus. The first dropdown menu has the value "4" and is followed by the text "paths". The second dropdown menu has the value "STS-3c". At the bottom right of the window are two buttons: "OK" and "Cancel".

FIG. 5B

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✕

EvailNet Manager: SONET Path Configuration - 11/4/1

SONET Line

System: 192.168.9.202

Slot 4

Port 1

Type OC12

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c)

☐ Configure

☐ Custom Configuration

4
paths

STS-3c

STS-12c

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/4/1	1	STS-12c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

STS-12c

OK
Cancel

Modify

FIG. 5C

55/289

EvaiNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4

Port 1

Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
 ☒ **Configure**
☐ Custom Configuration

4

STS-3c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/...	1	STS-3c	Termin.	ATM		
11/4/1	Path2_11/...	4	STS-3c	Termin.	ATM		
11/4/1	Path3_11/...	7	STS-3c	Termin.	ATM		
11/4/1	Path4_11/...	10	STS-3c	Termin.	ATM		

Modify

OK

Cancel

Graphical Representation

Position

Width

1

4

7

10

STS-3c

STS-3c

STS-3c

STS-3c

FIG. 5D

Figure 944 is a screenshot of a software window titled "EvaliNet Manager: SONET Path Configuration - 11/4/1". The window includes a system status bar at the top displaying "System: 192.168.9.202". The main interface is organized into several functional areas:

- SONET Line (944a):** Contains configuration fields for "Slot" (set to 4), "Port" (set to 1), and "Type" (set to OC12).
- SONET Path Wizard (944c):** Features two radio buttons: "Configure" (which is selected) and "Custom Configuration". Below these, a list shows "1" as the selected path, with a "paths" label and a "944t" label.
- Path Table (944g):** A table with columns: "SONET Line", "Path Name", "Path Posit.", "Path Wi.", "Path Ty.", "Servi.", "Ingress Conne.", and "Egress Conne.". The table contains one entry:

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/...	1	STS-12c	Termin.	ATM		
- Buttons:** A "Modify" button (944p) is located below the Path Table. At the bottom right, there are "OK" (944r) and "Cancel" (944q) buttons.
- Graphical Representation (944e):** A section on the right side of the window, labeled "Graphical Representation", showing a diagram of a path with labels "Position", "Width", and "STS-12c". A "944f" label points to this area.

FIG. 5E

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944 ☒ EvalNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line Slot 4 Port 1 Type OC12

944a

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☐ Configure

☒ Custom Configuration

944d

Functions

Available SONET Paths

944i

944k

Add>

<Remove

944n

<<Clear

944o

Allocated SONET Paths

STS-3C ~ 944l

STS-3C ~ 944m

STS-3C

STS-3C

944j

944u ~ 944v

944p

Modify

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/4/1	Path1_11/...	1	STS-3c	Terminated	ATM		
11/4/1	Path2_11/...	4	STS-3c	Terminated	ATM		
11/4/1	Path3_11/...	7		Terminated	ATM		

944g

Graphical Representation

Position

Width

1

4

STS-3C

STS-3C

944e

944f

944r

OK

Cancel

944q

FIG. 5F

EvailNet Manager: SONET Path Configuration - 11/4/1

X

System: 192.168.9.202

SONET Line

Slot

4

Port

1

Type

OC12

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
Shelf11/Sl...	Path1 11/...	1	3	2	1		
Shelf11/Sl...	Path2 11/...	4	3	2	1		

944p

Modify

Add

Delete

Graphical Representation

Position

1

Width

STS-3C

Position

4

Width

STS-3C

945a

945g

945k

945p

945r

945f

945e

945m

945n

945

FIG. 5G

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895

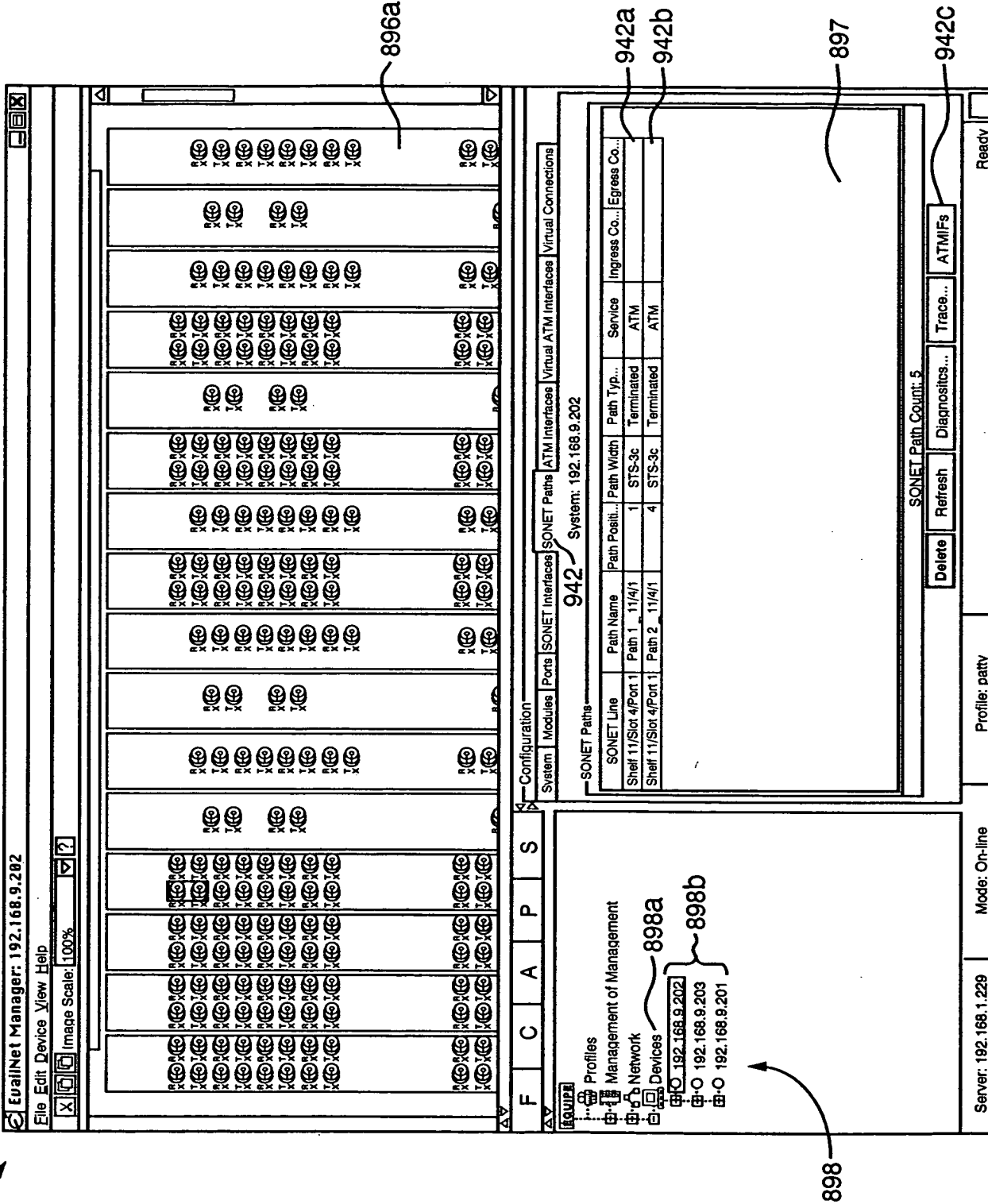


FIG. 5H

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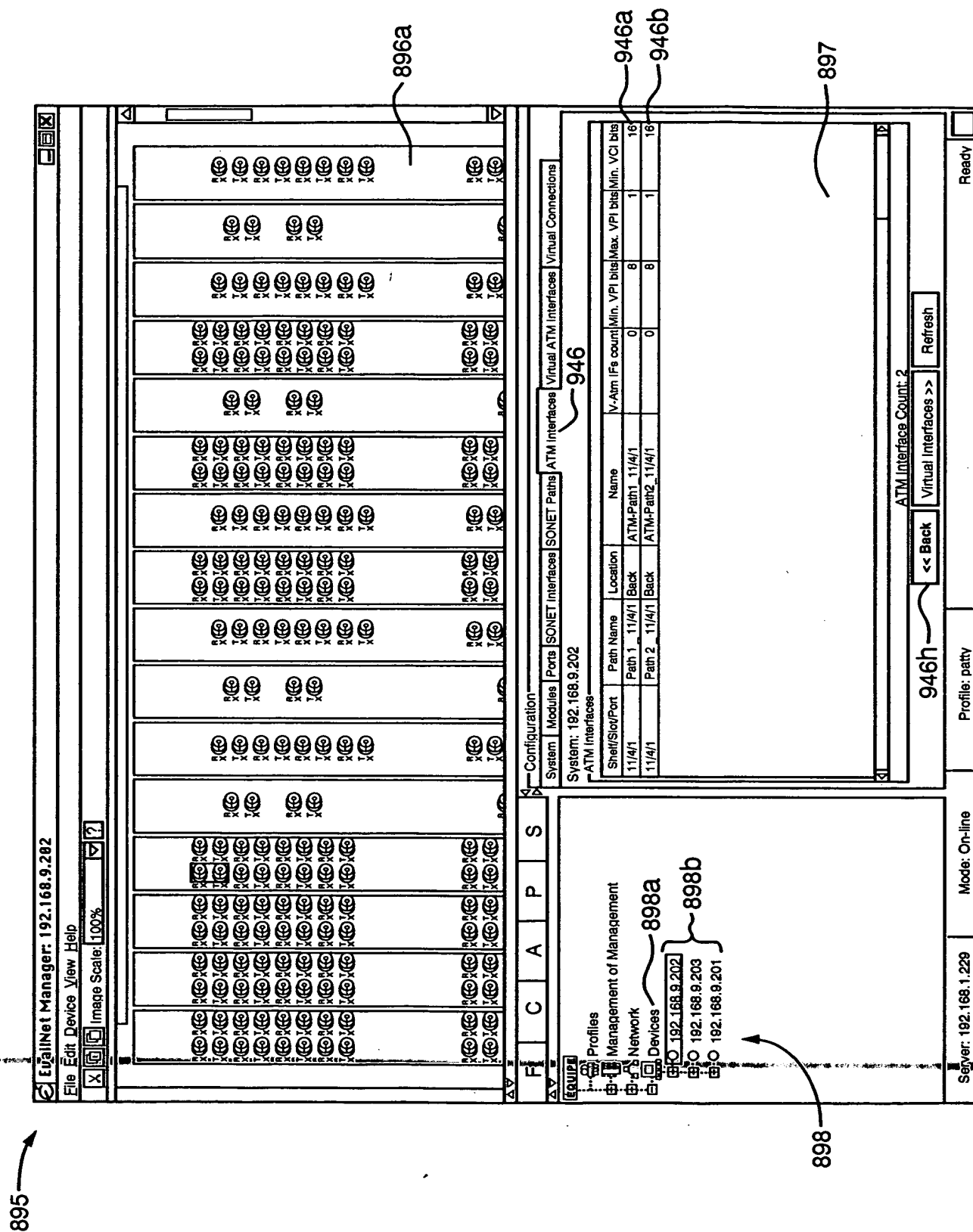


FIG. 51

895

556d

941a

896a

949a

898

897

940a

SONET Interface Count: 216

Refresh

Paths...

Ready

Profile: patty

Mode: On-line

Server: 192.168.1.229

SONET Lines

Shelf / Slot...	Location	Medium Ty...	Circuit ID	Line Coding	Loopback...	Laser	Path Count
11/4/14	back	SONET		Single Mode NRZ	Terminal	Disabled	0
11/4/15	back	SONET		Single Mode NRZ	Terminal	Disabled	0
11/4/16	back	SONET		Single Mode NRZ	Terminal	Disabled	0
11/5/1	back	SONET		Single Mode NRZ	Terminal	Disabled	0
11/5/2	back	SONET		Single Mode NRZ	Terminal	Disabled	0
11/5/3	back	SONET		Single Mode NRZ	Terminal	Disabled	0
11/5/4	back	SONET		Single Mode NRZ	Terminal	Disabled	0
11/6/1	back	SONET		Single Mode NRZ	Terminal	Disabled	0
11/6/2	back	SONET		Single Mode NRZ	Terminal	Disabled	0
11/6/3	back	SONET		Single Mode NRZ	Terminal	Disabled	0
11/6/4	back	SONET		Single Mode NRZ	Terminal	Disabled	0
11/6/5	back	SONET		Single Mode NRZ	Terminal	Disabled	0
11/6/6	back	SONET		Single Mode NRZ	Terminal	Disabled	0
11/6/7	back	SONET		Single Mode NRZ	Terminal	Disabled	0
11/6/8	back	SONET		Single Mode NRZ	Terminal	Disabled	0

SONET Interface Count: 216

Configuration

System Modules Ports

SONET Interfaces

SONET Paths

ATM Interfaces

Virtual ATM Interfaces

Virtual Connections

System: 192.168.9.202

Management of Management

Network

Devices

192.168.9.202

192.168.9.203

192.168.9.201

898a

898b

EqualNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot Port Type

SONET Path Wizard

☒ Configure a single concatenated path (STS-48c)

☐ Configure

☐ Custom Configuration

944a

944b

944c

944d

944

FIG. 5K

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EvallNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5 Port 2 Type OC48

SONET Path Wizard

☒ Configure a single concatenated path (STS-48c)
 ☐ Configure
 ☐ Custom Configuration

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/5/2	1	STS-48c	Termin.	ATM		

Graphical Representation

Position

Width

1

STS-48C

944a

944b

944c

944d

944g

944p

944f

944e

944r

944q

FIG. 5L

EvaiNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5

Port 2

Type OC48

SONET Path Wizard

Configure

Custom Configuration

4

STS-12C

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/...	1	STS-12c	Termin.	ATM		
11/5/2	Path2_11/...	13	STS-12c	Termin.	ATM		
11/5/2	Path3_11/...	25	STS-12c	Termin.	ATM		
11/5/2	Path4_11/...	37	STS-12c	Termin.	ATM		

Modify

OK

Cancel

Graphical Representation

Position

Width

1

13

25

37

STS-12C

STS-12C

STS-12C

STS-12C

FIG. 5M

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EvailNet Manager: SONET Path Configuration - 11/5/2

X

SONET Line

Slot 5

Port 2

Type OC48

System: 192.168.9.202

Graphical Representation

Position

Width

1

STS-48C

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)

☒ Configure

☐ Custom Configuration

1

STS-48C

paths

1

944S

944t

4

16

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/...	1	STS-48c	Termin.	ATM		

Modify

944p

944r

OK

Cancel

944q

FIG. 5N

FIG. 50

FIG. 50

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944 ☒ EvalNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

944a SONET Line Slot Port Type

944b SONET Path Wizard

944c ☐ Configure a single concatenated path (STS-12c)

944d ☐ Configure 16 paths

☐ Custom Configuration

944h Functions

Available SONET Paths

944i STS-3C STS-12C

944j Add > <Remove <<Clear

Allocated SONET Paths

944k STS-3C STS-3C STS-3C STS-3C STS-12C

944l

944m

944n

944o

944p Modify

944q Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/5/2	Path1_11/...	1	STS-3c	Terminated	ATM		
11/5/2	Path2_11/...	4	STS-3c	Terminated	ATM		
11/5/2	Path3_11/...	7		Terminated	ATM		

944r OK 944s Cancel

Graphical Representation

Position Width

1 4 7 10 22 34

STS-3C STS-3C STS-3 STS-3 STS-12C STS-12C

944e 944f

FIG. 5P

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895

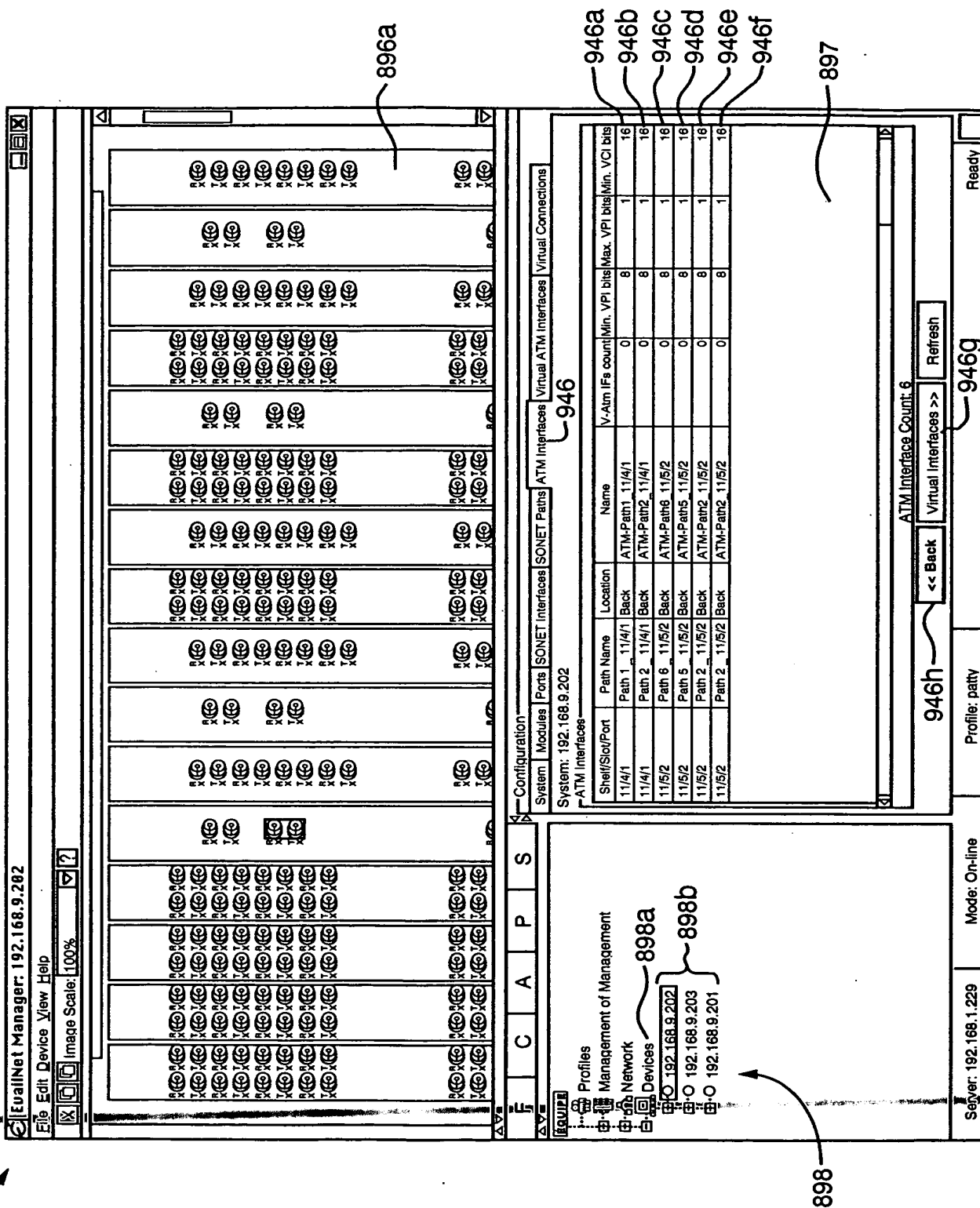


FIG. 5R

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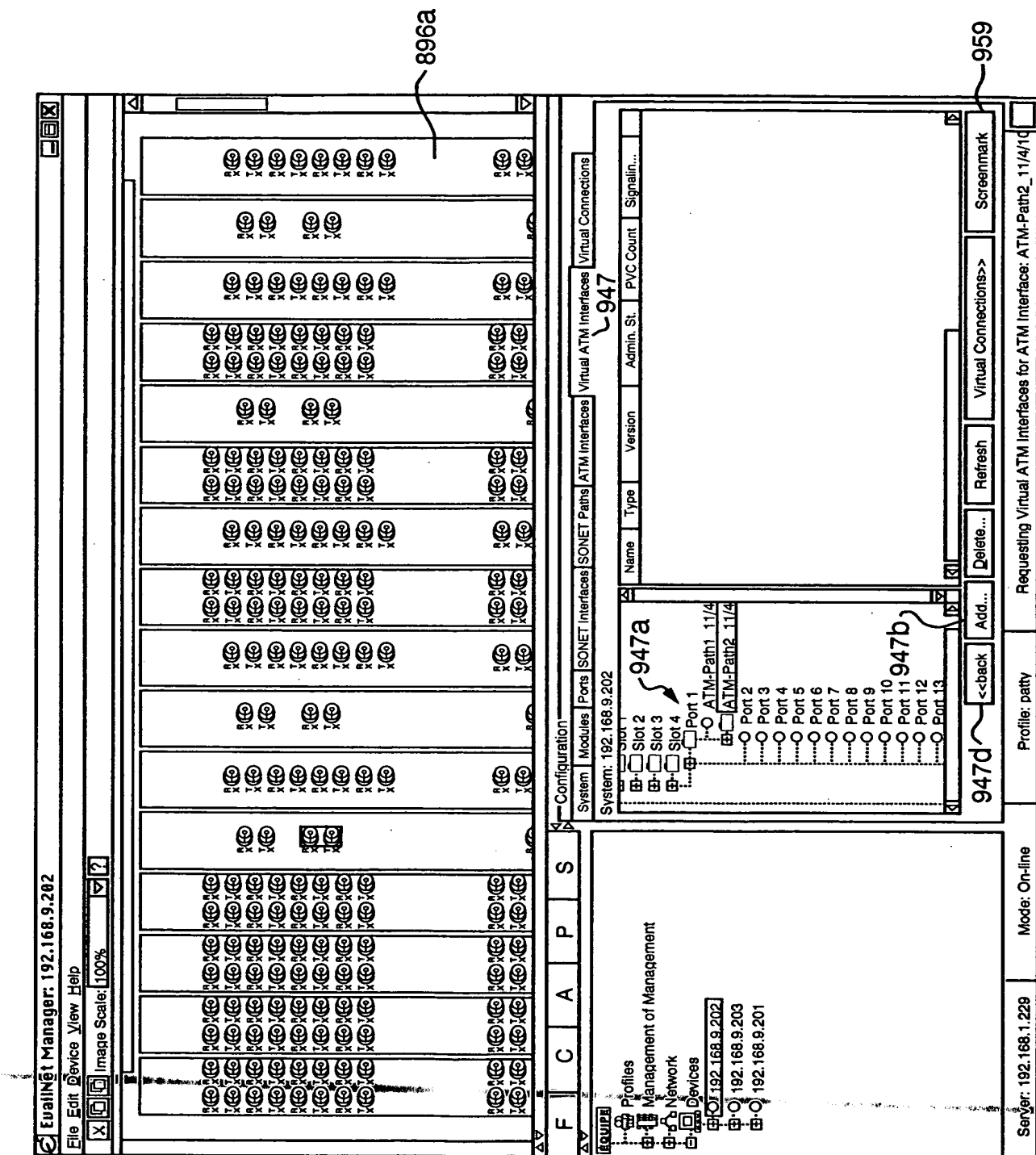


FIG. 5S

950

Add U-ATM Interface - 192.168.9.202

Shelf/Slot/Port: 11/4/1

Path Name: Path2_11/4/1

Virtual ATM Interface Parameters

950d

Name

test1

950a

Connection Type

Direct Link

950b

Version

UNI Network 3.1

950c

Admin Status

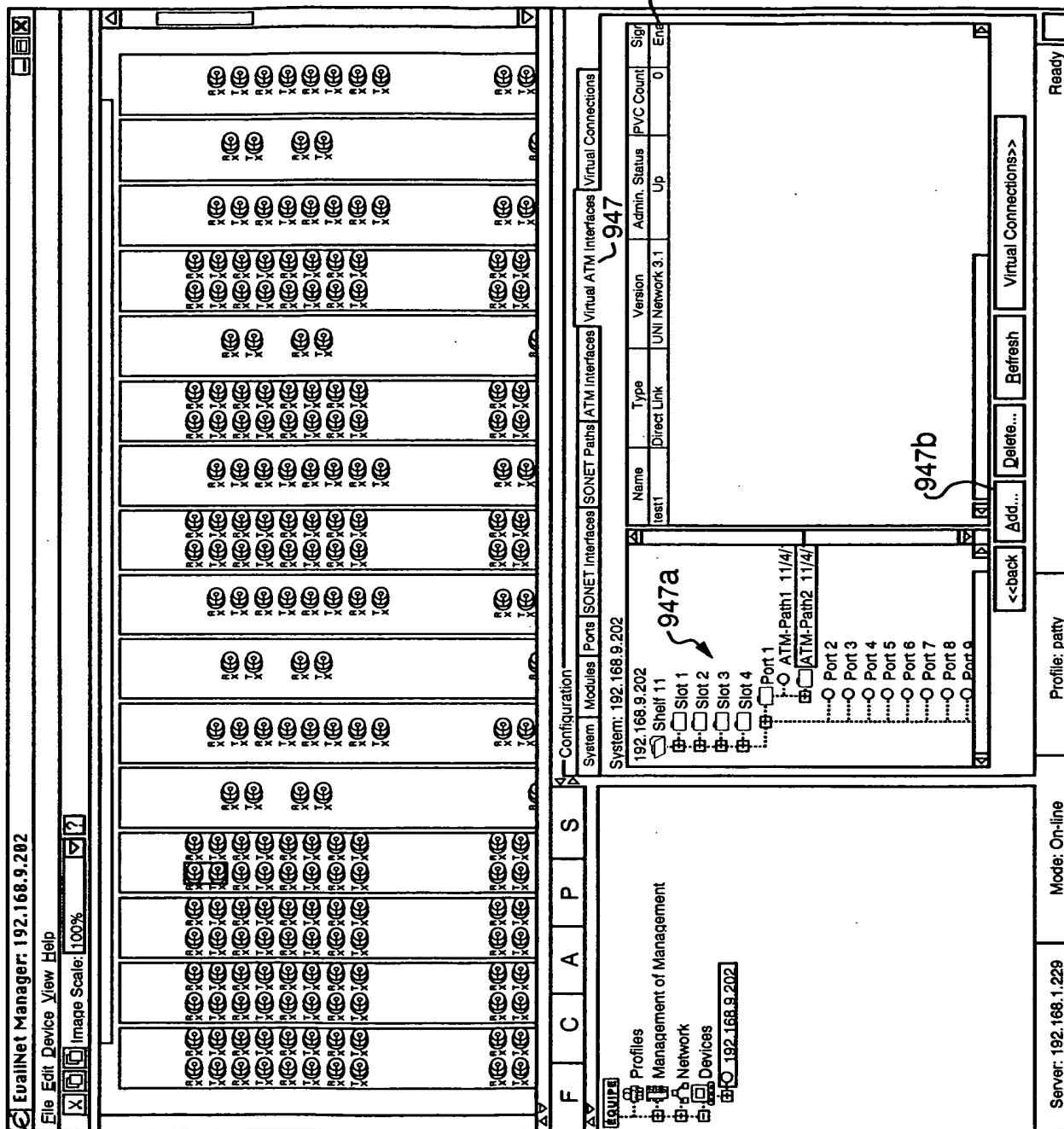
Up

950e

OK

Cancel

FIG. 5T



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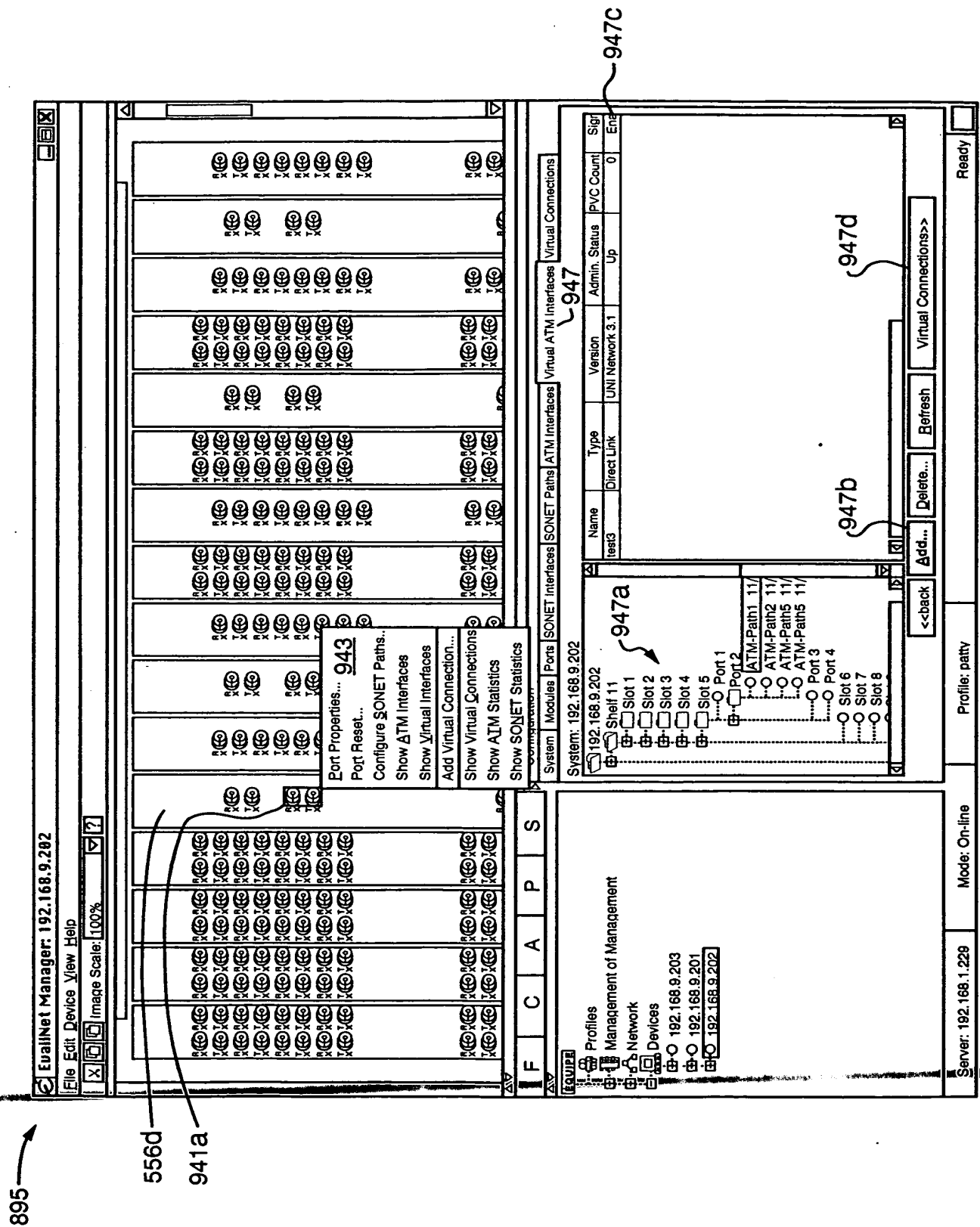


FIG. 5V

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952

EvailNet Manager: 192.168.9.202 - Virtual Connection Wizard

Connection Topology

What type of connection do you want?

☒ Point to Point ☐ Point to Multipoint

Connection Type

Do you want to create a Virtual Path or a Virtual Channel?

☒ Virtual Path Connection (VPC) ☐ Virtual Channel Connection (VCC)

☐ Soft (SPVPC/SPVCC)

952a

952b

providing
the optical
on-ramp™

Welcome to
EQUIPE Communications

Next>> Cancel

FIG. 5W

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953

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard

Source: 192.168.9.202 Destination: 192.168.9.202

953a End Point 1

Slot 4
Port 1
ATM-Path1_11/4/1
ATM-Path2_11/4/1
test1
test2
Port 2
Port 3
Port 4 953b

953c End Point 1

Slot 3
Slot 4
Slot 5
Port 1
Port 2
ATM-Path1_11/5/2
test3
ATM-Path2_11/5/2
ATM-Path5_11/5/2 953d

953e Connection Parameters

Connection Name: test
Admin Status: Up 953h
Customer Name: Walmart Customer List

953f End Point 1 Parameters:

VPI: 953i ☒ Use Any VPI Value 953k
VCI: 953m ☐ Use Any VCI Value 953o
Transmit Traffic Descriptor: VBR-high Add Traffic Descriptor...
Receive Traffic Descriptor: VBR-high 953q
☐ Use the same Traffic Descriptor for both Transmit and Receive

953s

953g End Point 2 Parameters:

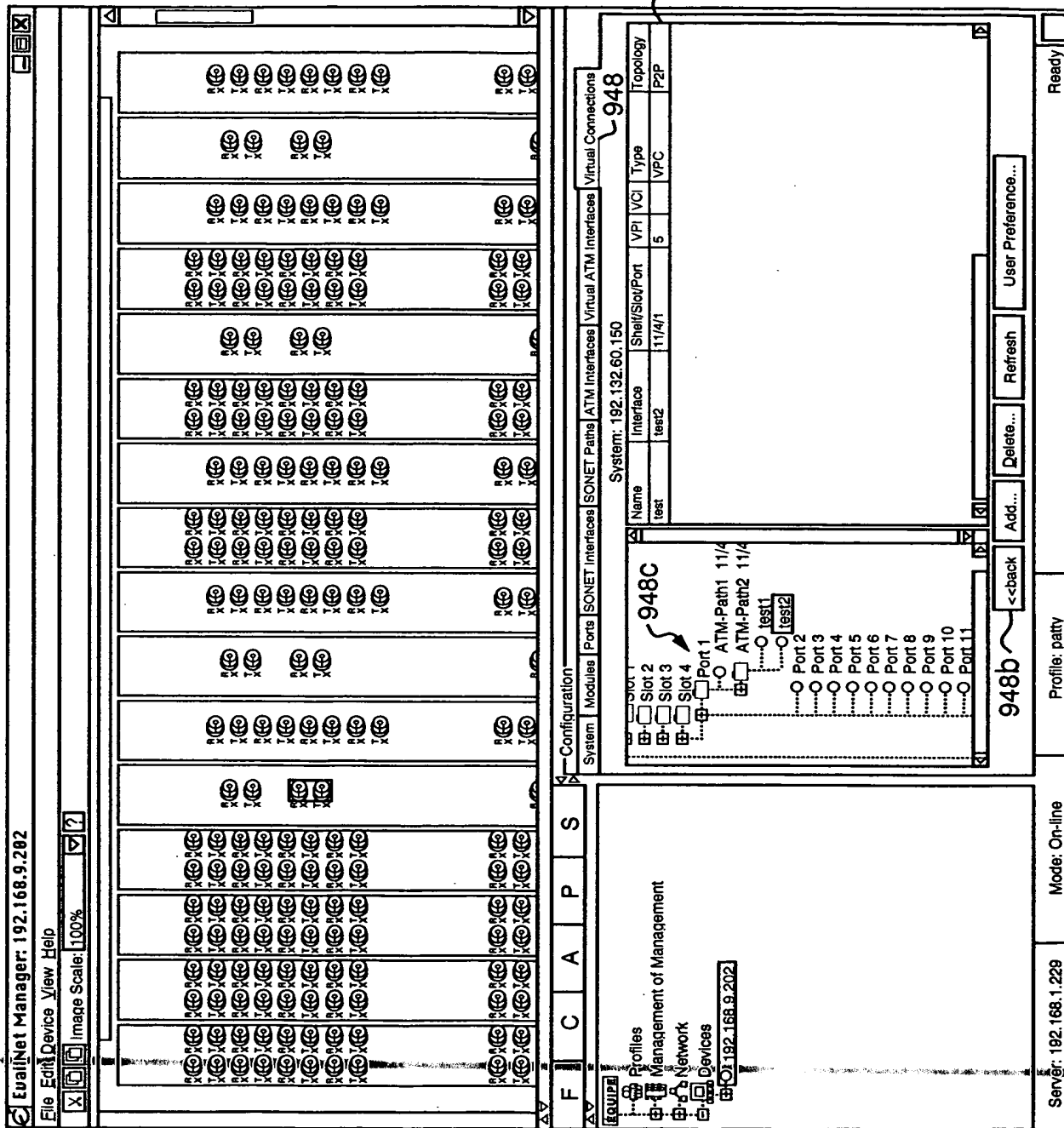
VPI: 953j ☒ Use Any VPI Value 953l
VCI: 953n ☐ Use Any VCI Value 953p
Transmit Traffic Descriptor: VBR-high Add Traffic Descriptors...
Receive Traffic Descriptor: VBR-high 953r
☐ Use the same Traffic Descriptor for both Transmit and Receive 953u 953w 953v

<<Back Finish Cancel

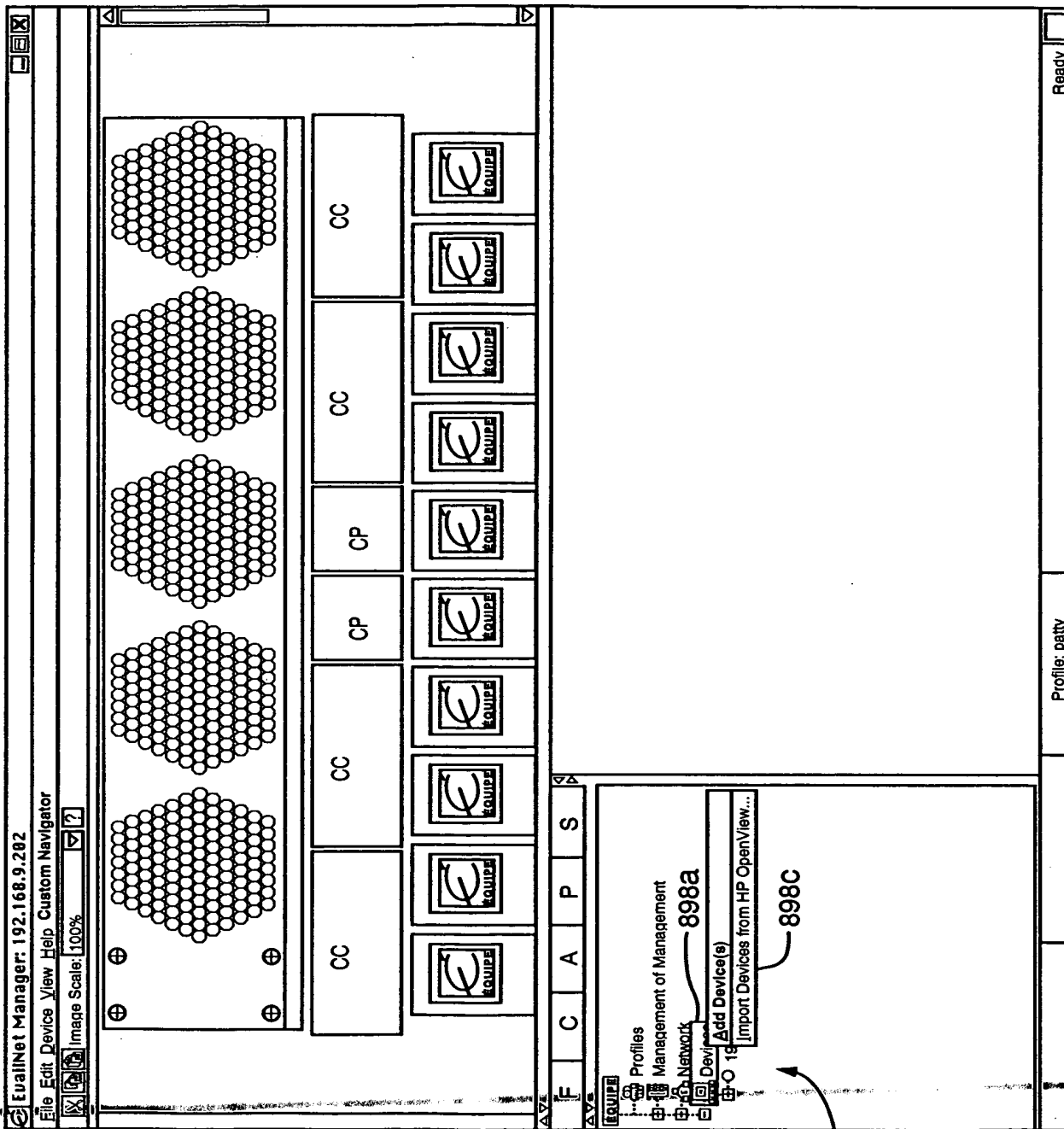
FIG. 5X

956

FIG. 5Y



895



898

FIG. 6A

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FIG. 6B is a screenshot of a Windows-style dialog box titled "AddDeleteDeviceDlg". The dialog box contains the following elements:

- A title bar with the text "AddDeleteDeviceDlg" and a close button (X) on the right.
- A label "Enter device to add" above a text input field containing the IP address "192.168.9.201".
- A checkbox labeled "Manage device in on-line mode" with a label "898l" pointing to it. To the right of the checkbox is a label "898k".
- An "Add" button with a label "898f" pointing to it.
- A section titled "Device List" containing a sub-section "On-Line Device" with an empty list box labeled "898g".
- At the bottom, three buttons: "OK", "Cancel", and "Delete".

Reference numerals 898d and 898e are also present, pointing to the right side of the dialog box and the input field respectively.

FIG. 6B

FIG. 6C is a screenshot of the same "AddDeleteDeviceDlg" dialog box, but in a different state. The elements are:

- The same title bar "AddDeleteDeviceDlg" with a close button (X).
- The "Enter device to add" text input field is now empty.
- The checkbox "Manage device in on-line mode" is still unchecked, with label "898l" and "898k".
- The "Add" button is still present, with label "898f".
- The "Device List" section now contains one entry in the "On-Line Device" list box: a checkbox followed by the IP address "192.168.9.201". A label "898m" points to the checkbox.
- The "OK", "Cancel", and "Delete" buttons remain at the bottom.

Reference numerals 898d and 898g are also present, pointing to the right side of the dialog box and the list box respectively.

FIG. 6C

895

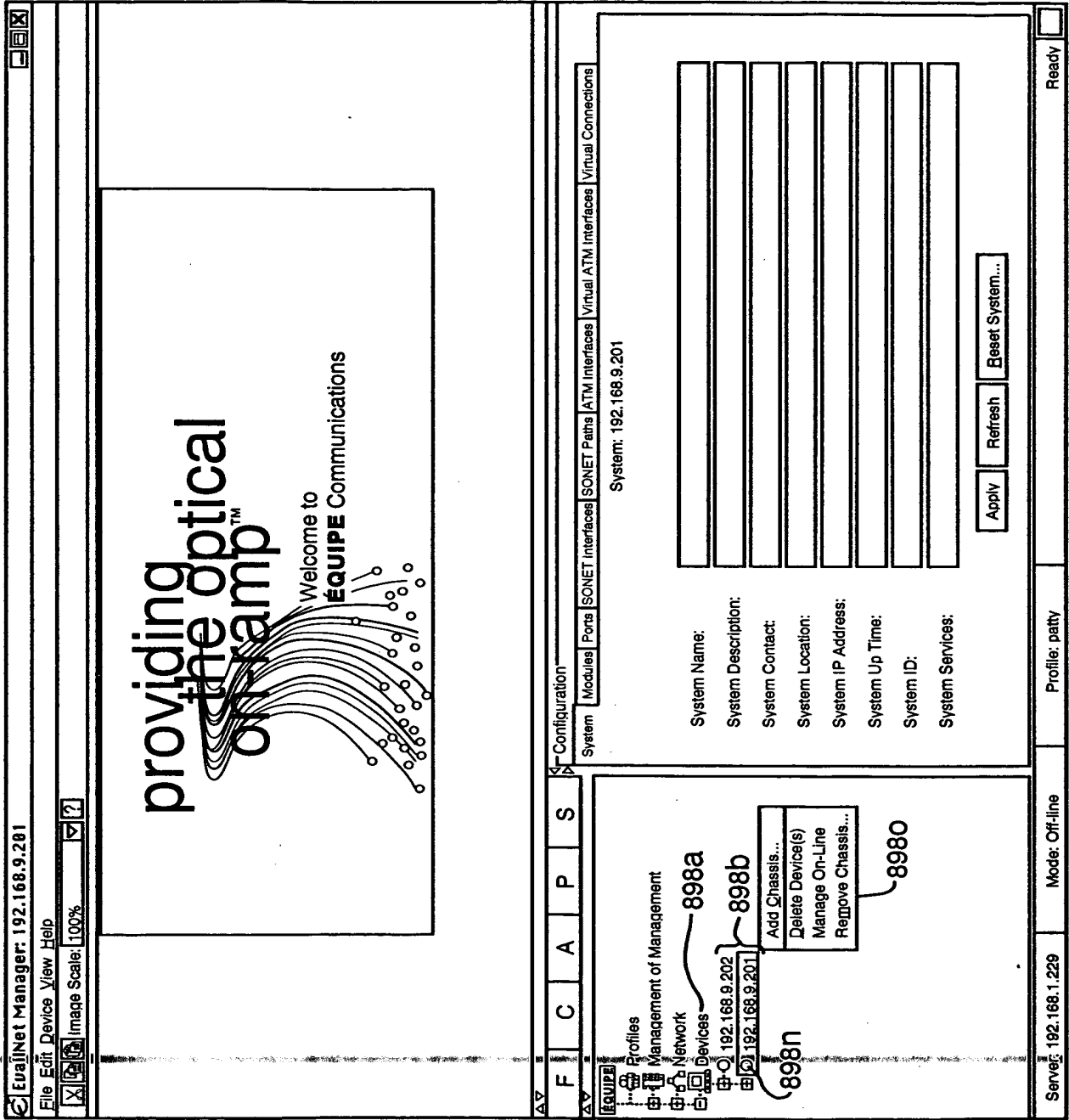


FIG. 6D

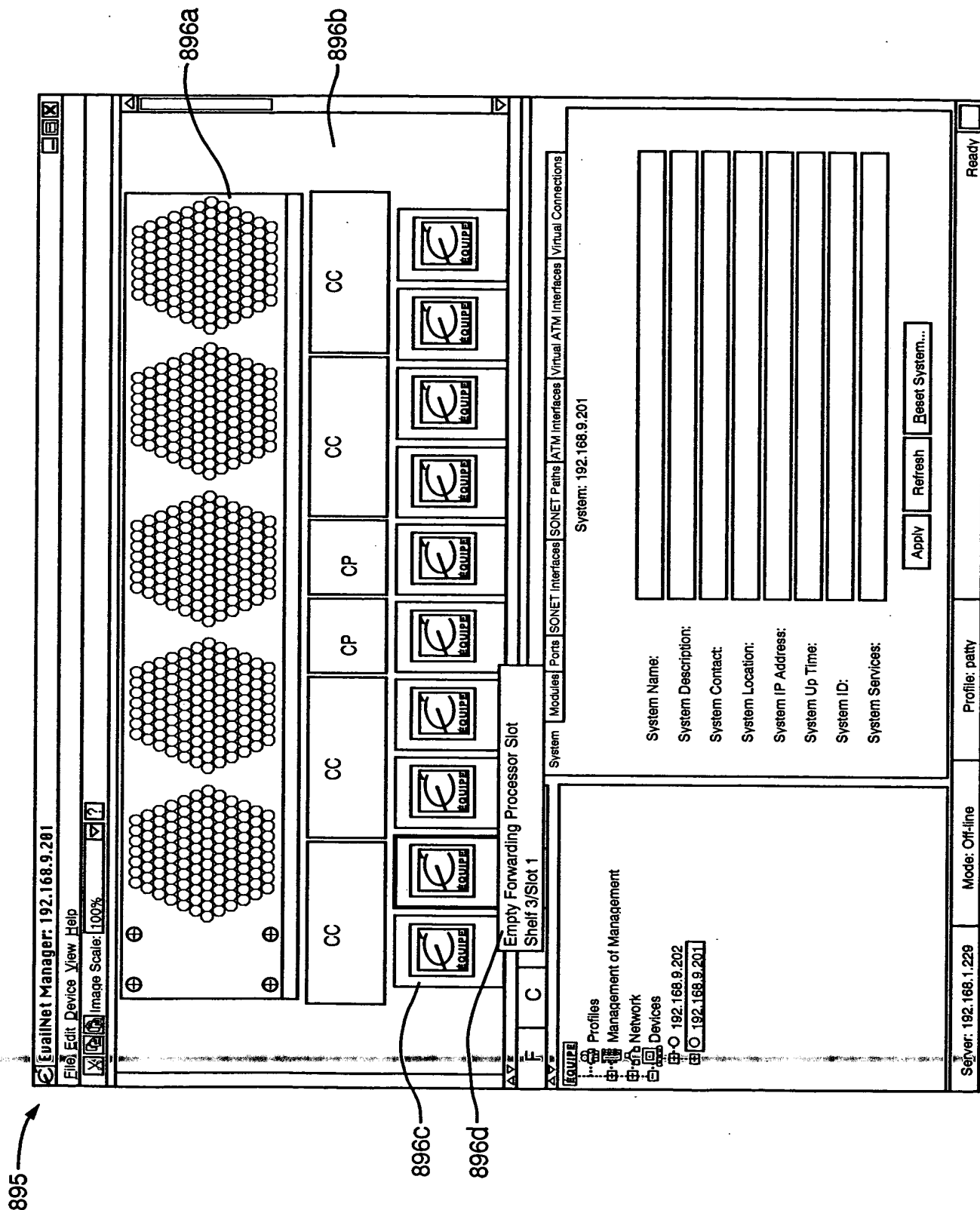


FIG. 6E

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895

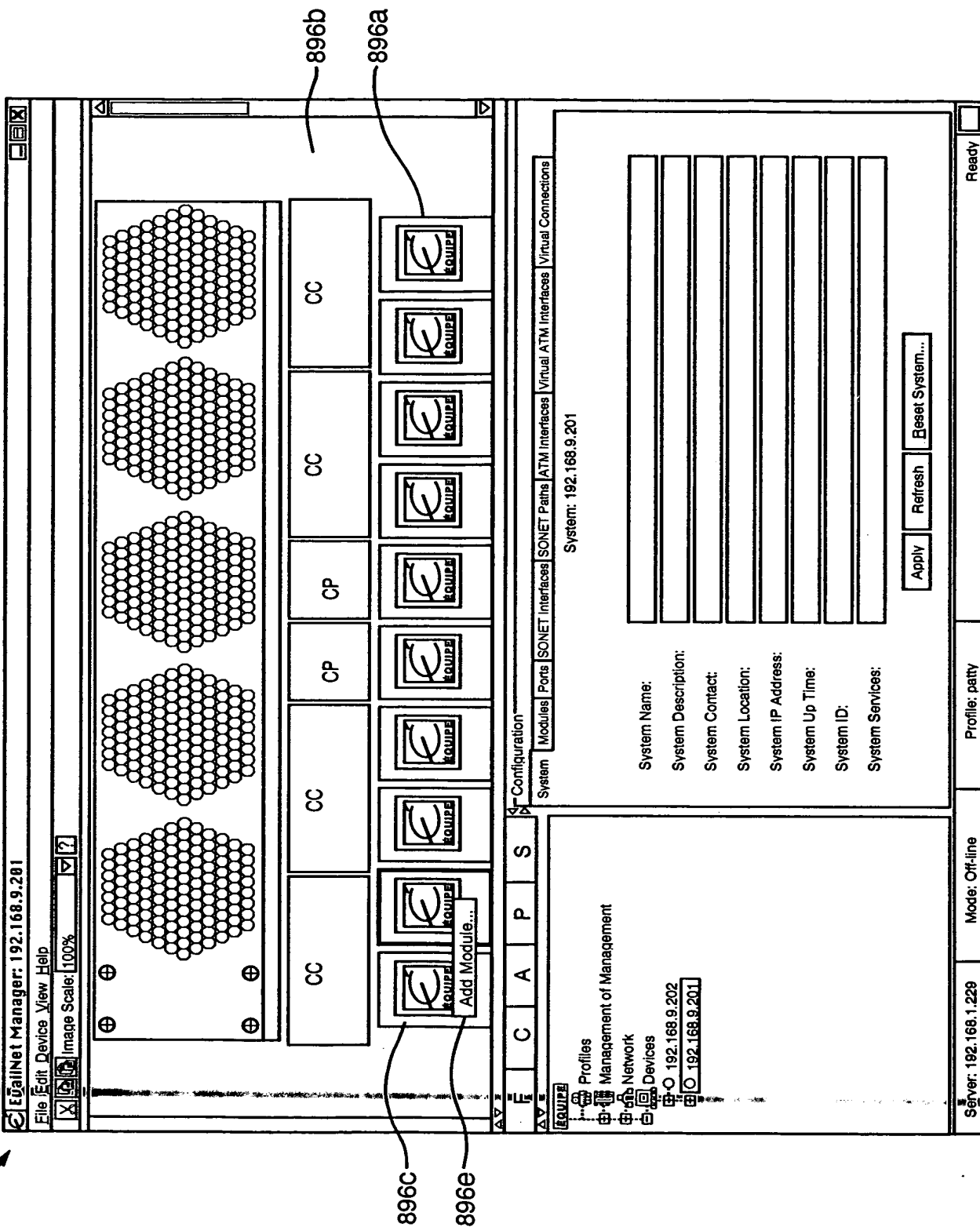


FIG. 6F

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895

546a

896t

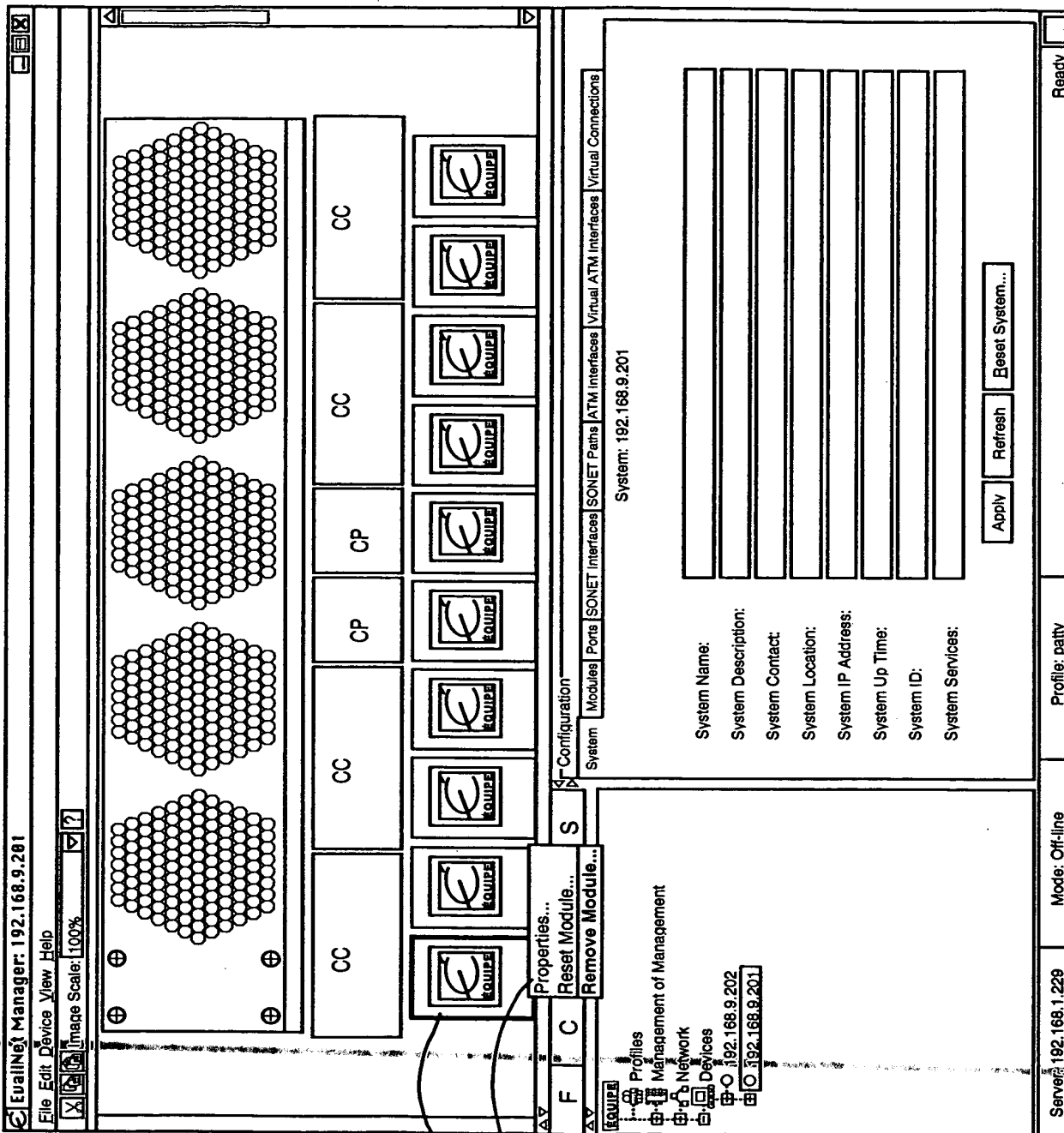


FIG. 6G

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895

896f

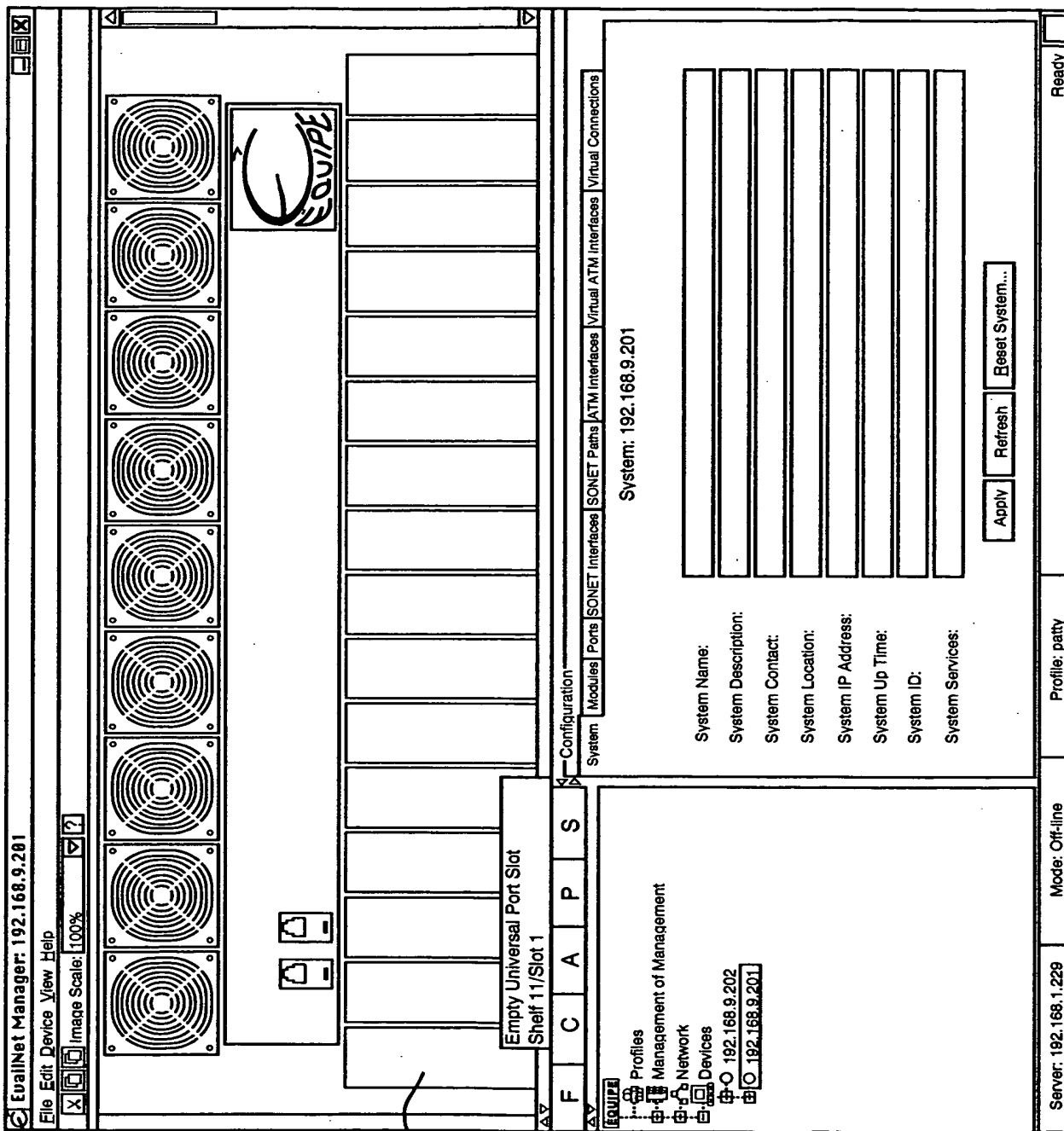


FIG. 6H

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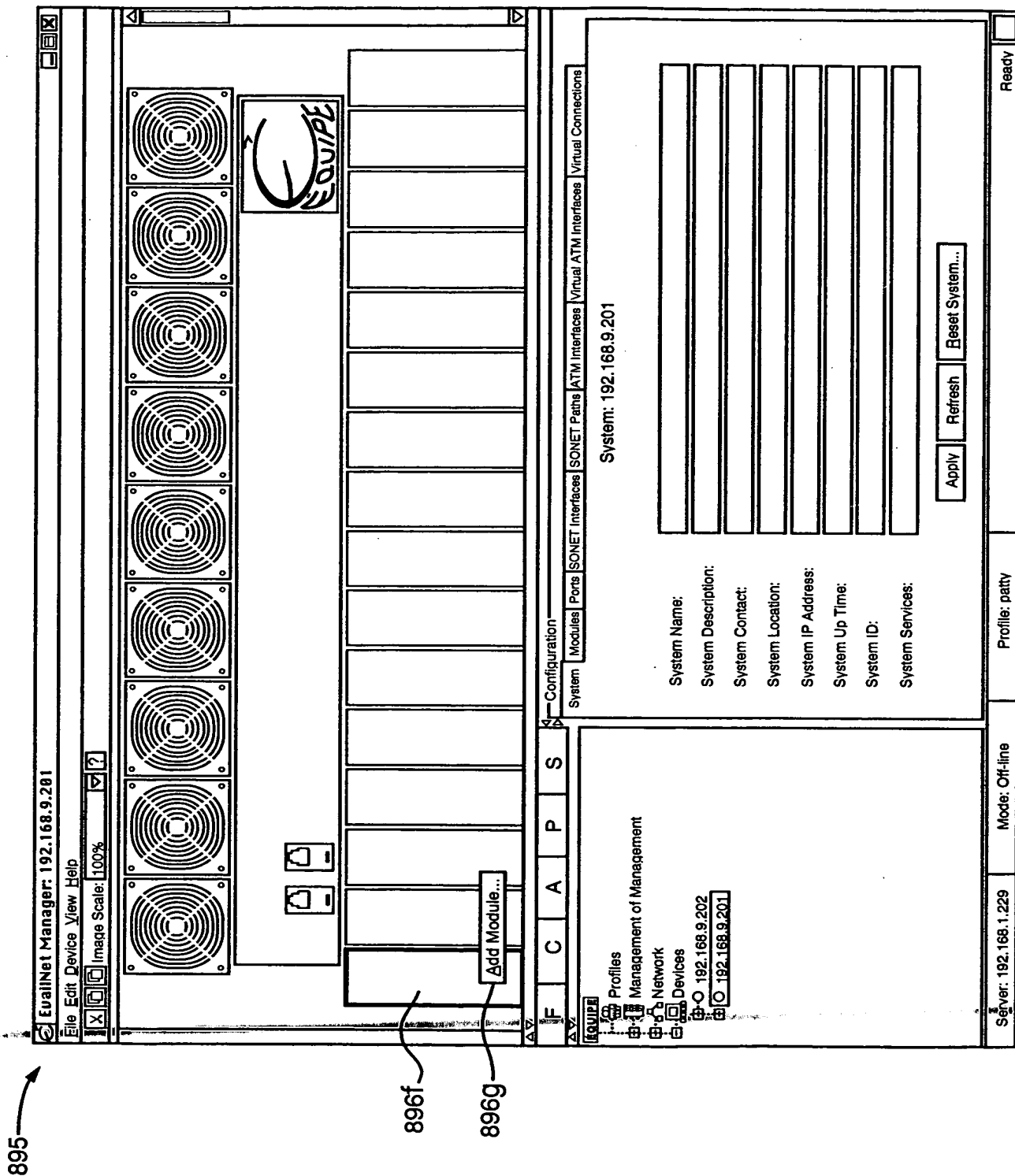


FIG. 6I

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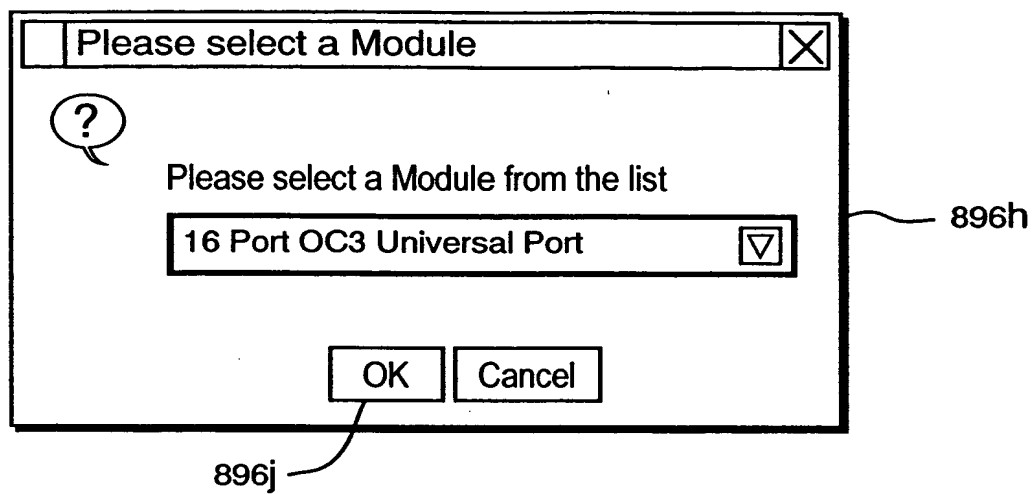


FIG. 6J

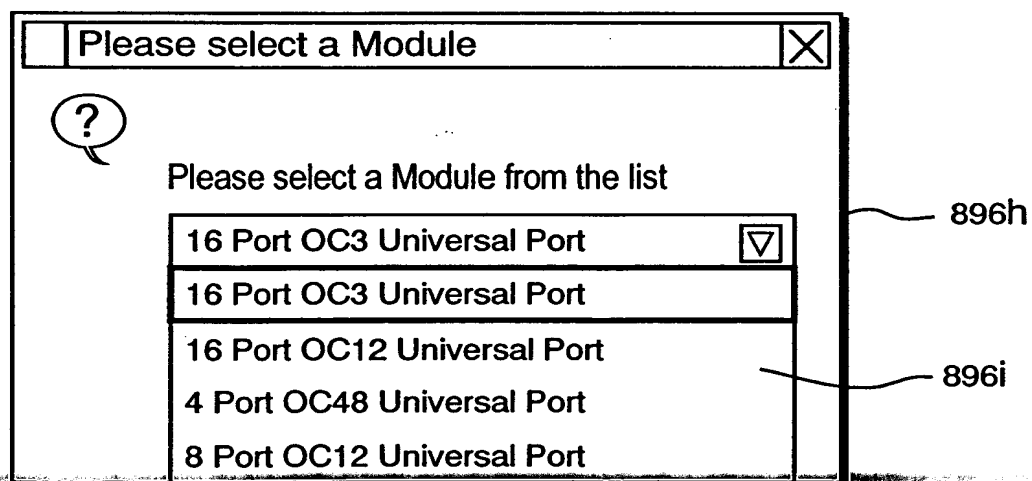


FIG. 6K

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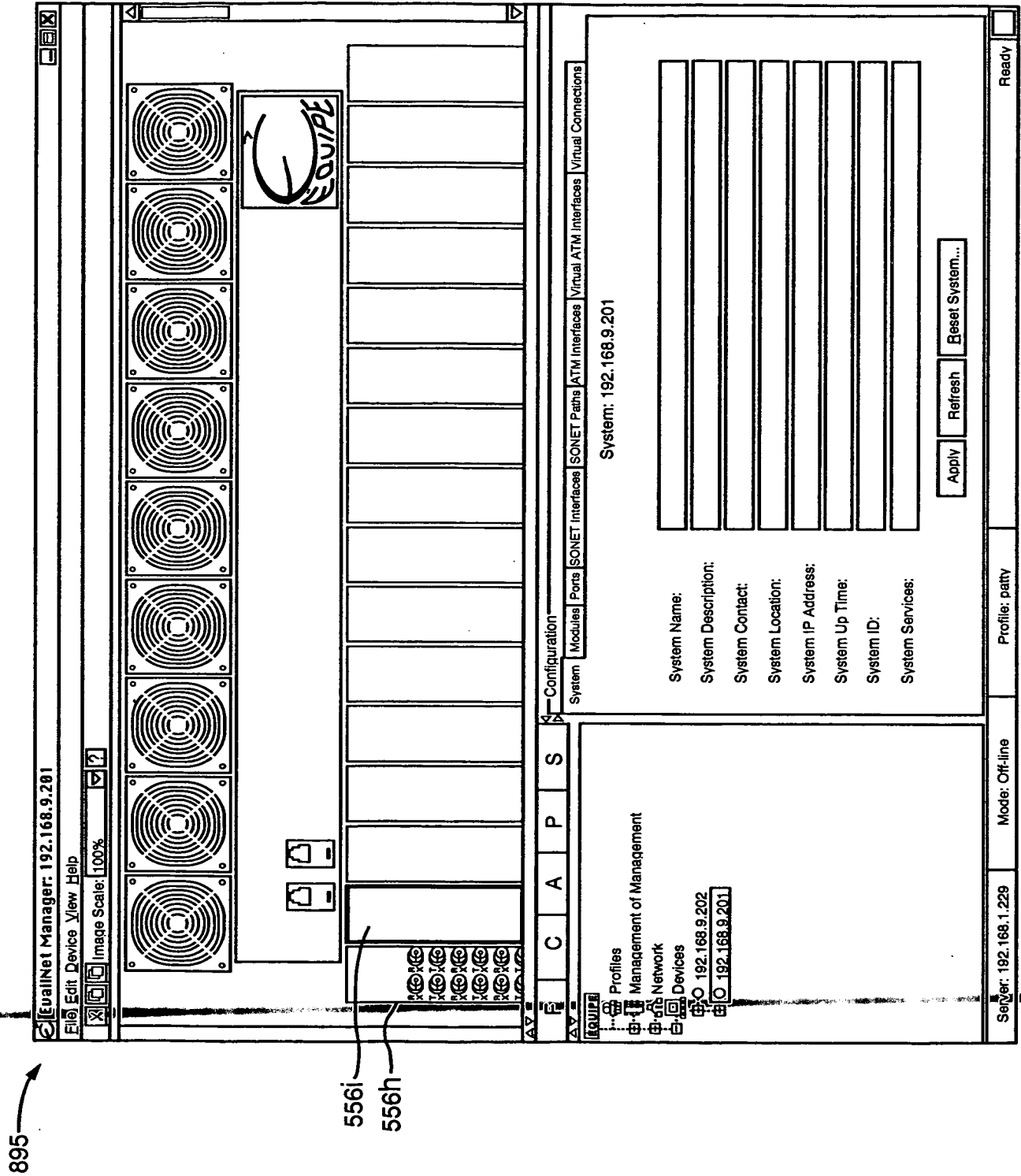


FIG. 6L

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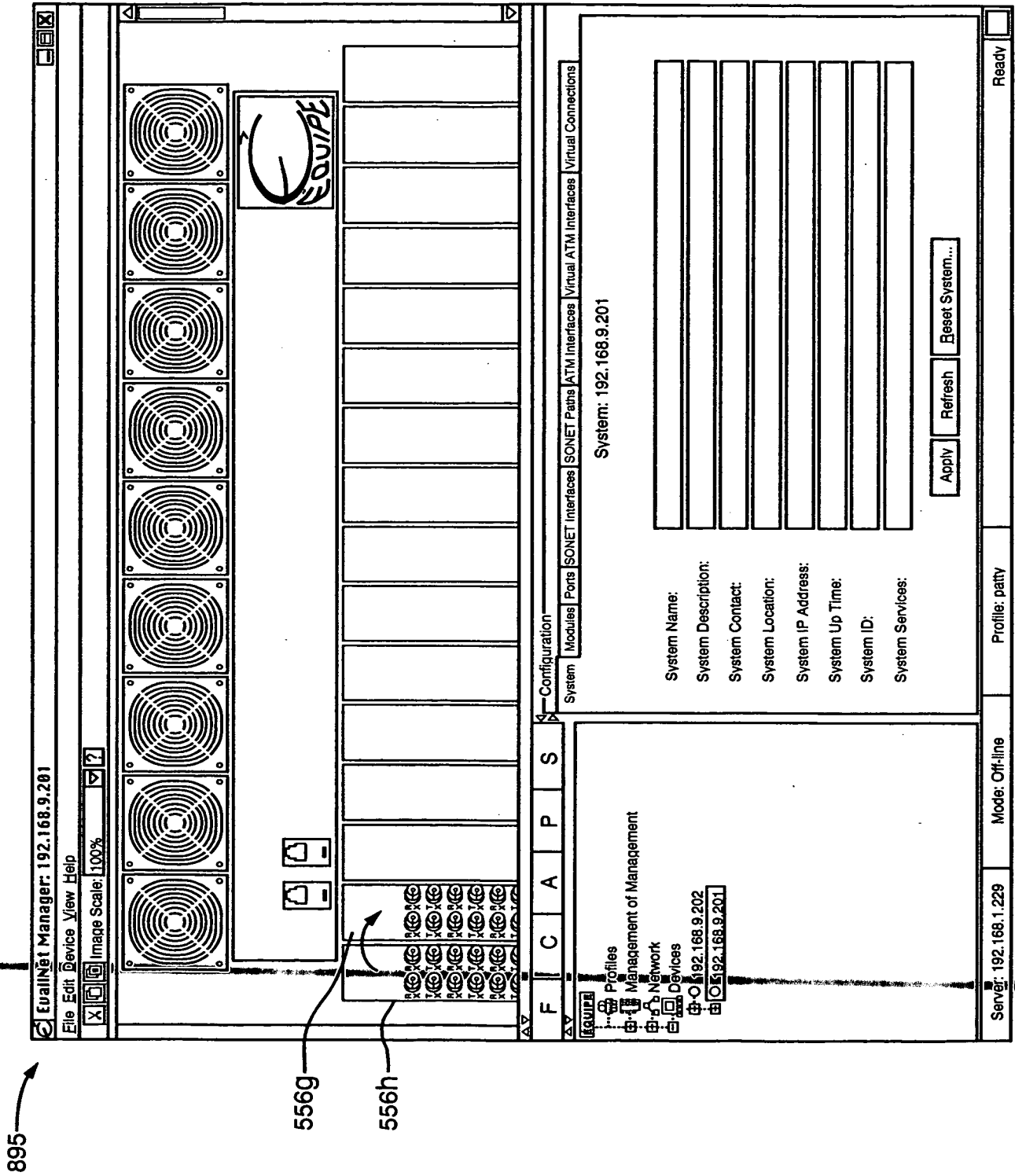
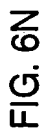


FIG. 6M



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895

EqualNet Manager: 192.168.9.201

File Edit Device View Help

Image Scale: 100%

EQUIPE

Configuration

System Modules Ports SONET Interfaces SONE Path ATM Interfaces Virtual ATM Interfaces Virtual Connections

System: 192.168.9.201

System Name: 192.168.9.201

System Description:

System Contact:

System Location:

System IP Address:

System Up Time:

System ID:

System Services:

Apply Refresh Reset System...

Ready

Server: 192.168.1.229 Mode: Off-line Profile: patty

EQUIPE

Profiles

Management of Management

Network

Devices

192.168.9.202

192.168.9.201

192.168.9.203

FIG. 60

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895

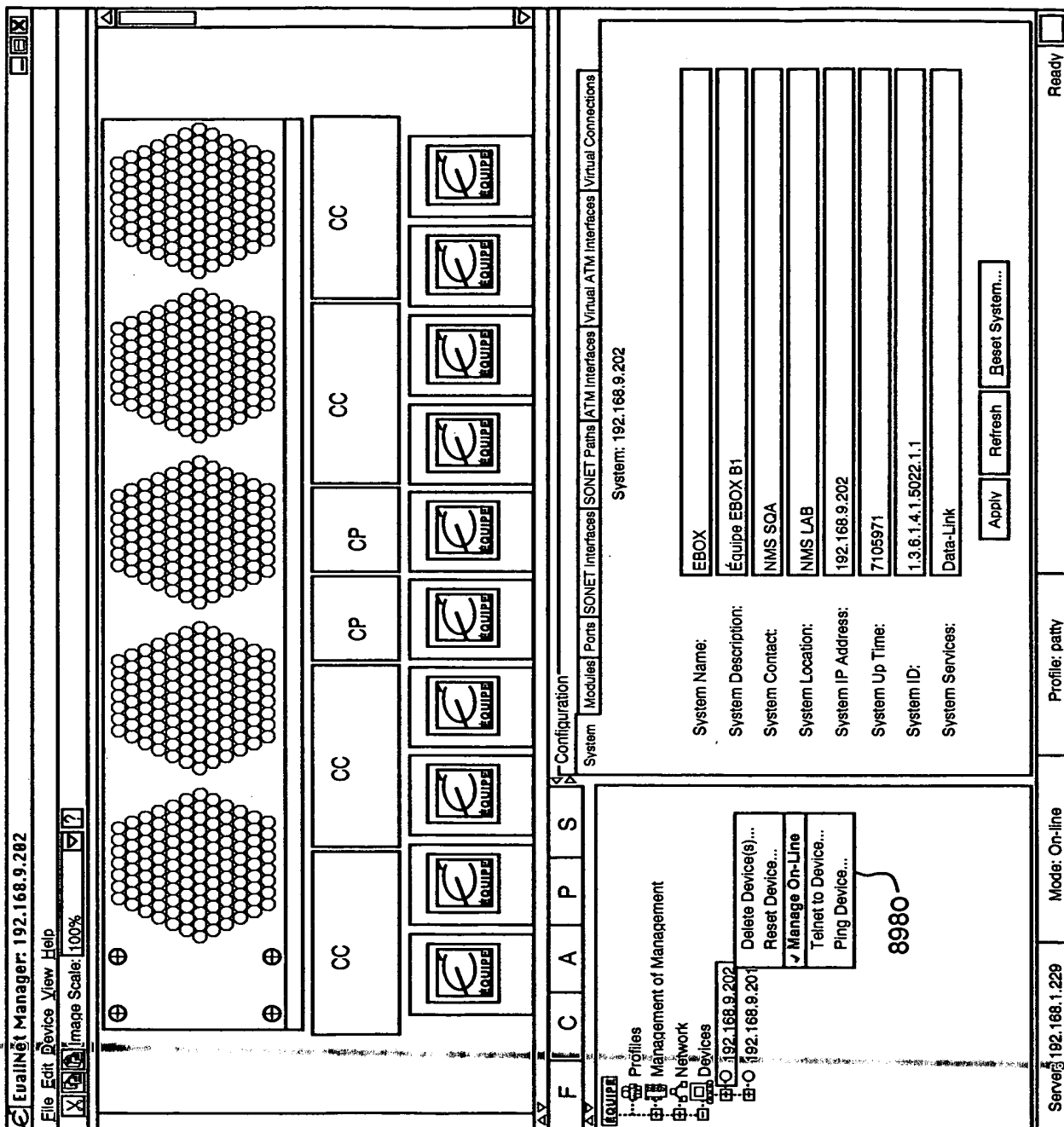


FIG. 6P

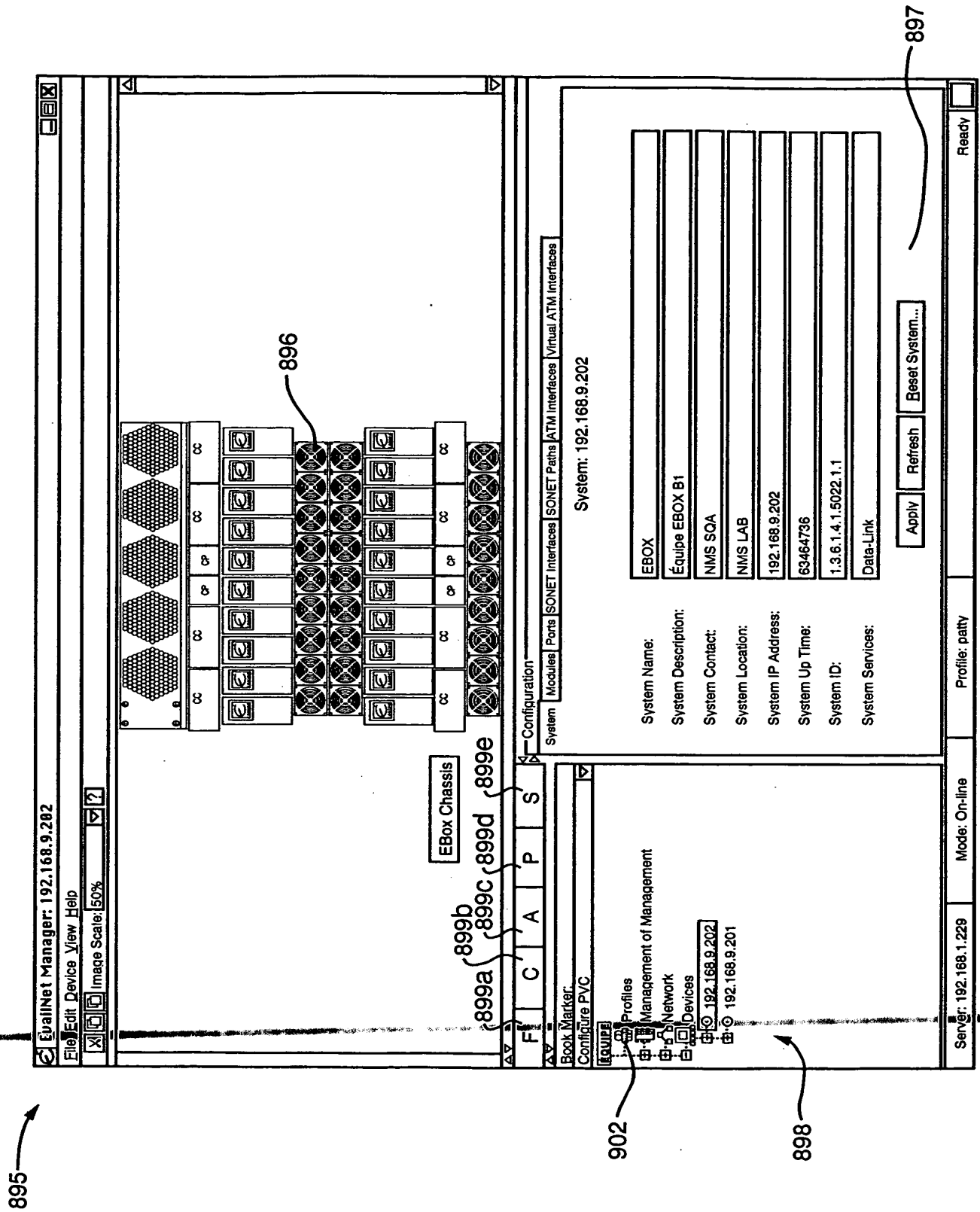


FIG. 7A

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900

EvailNet Manager: Fault - Event Summary

×

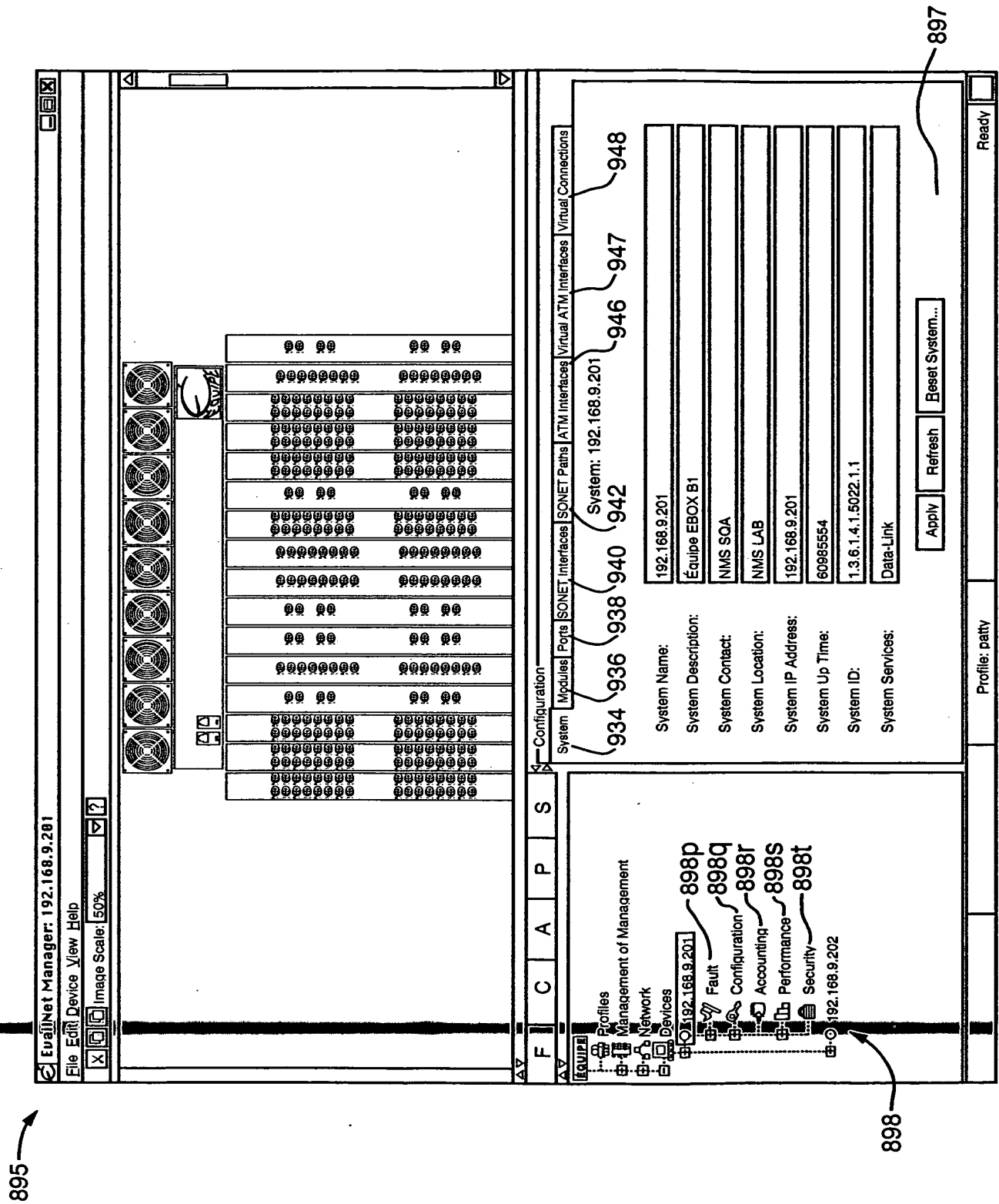
System: 192.132.65.150

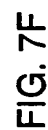
System	Event	Event Number	Description
1.1.55.6	Fan OverTemp	44	"Fan marginally functioning"
1.1.55.7	New Board Ins...	75	"New board inserted"

OK

FIG. 7B

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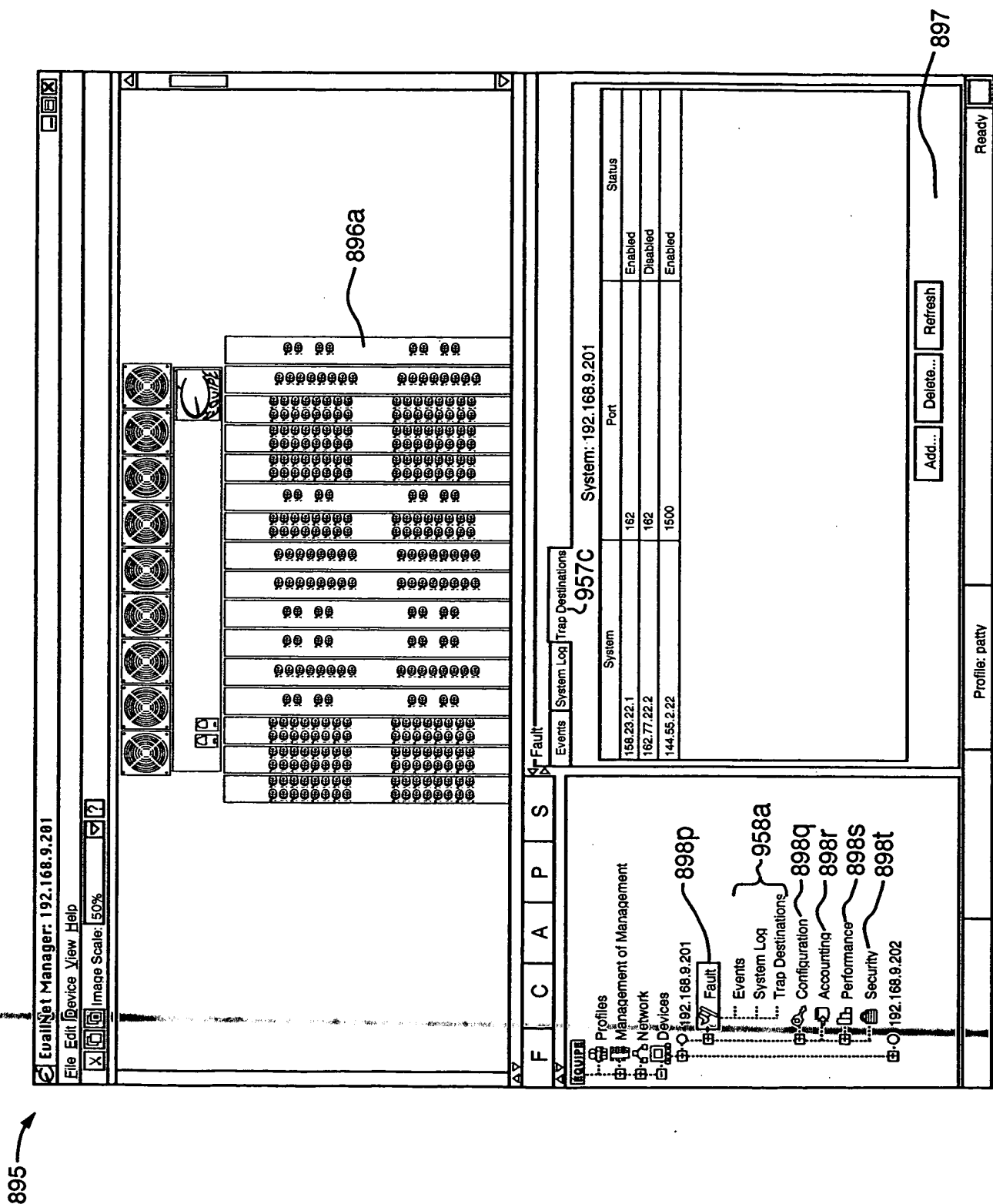


FIG. 7G

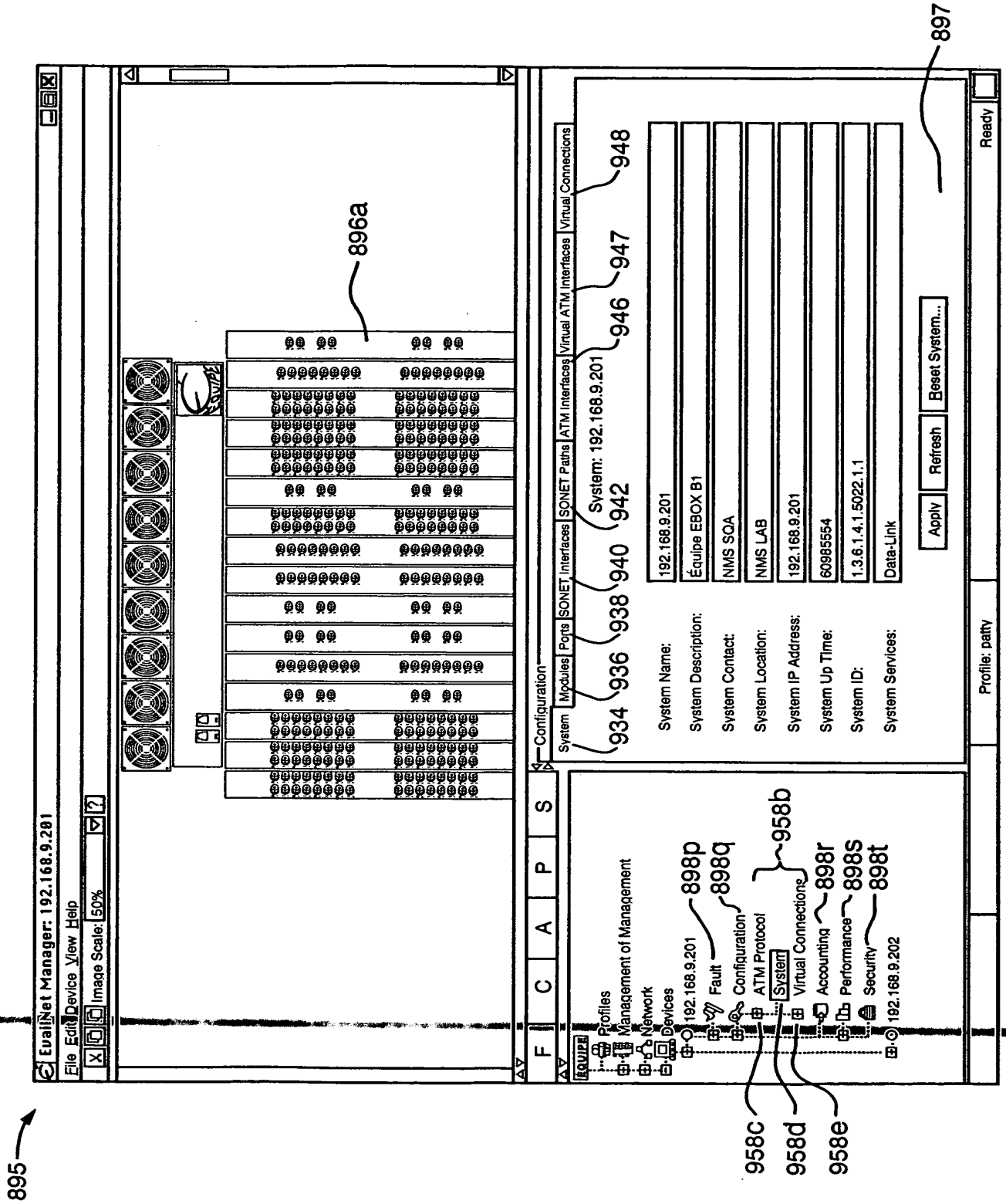


FIG. 7H

895

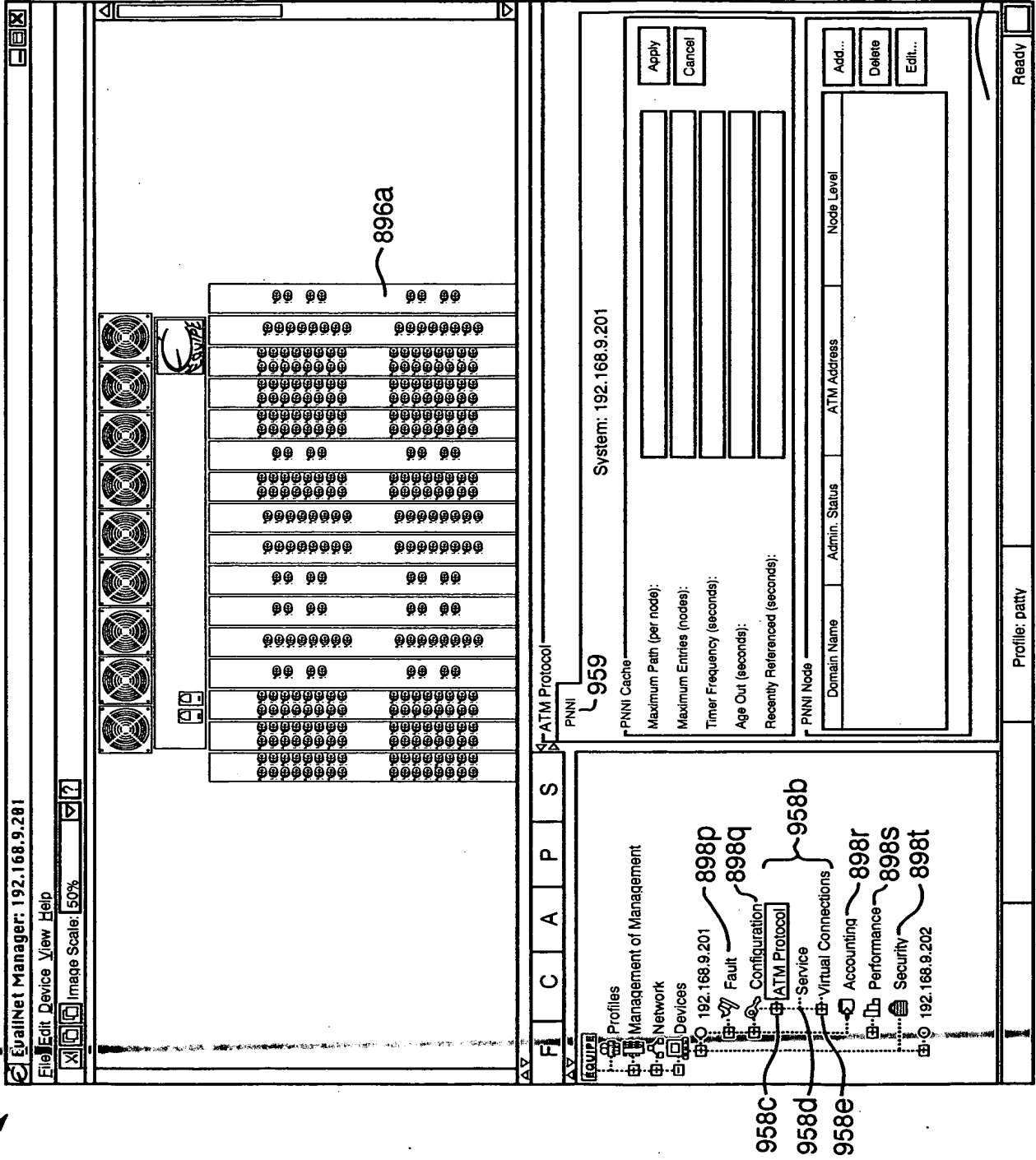


FIG. 71

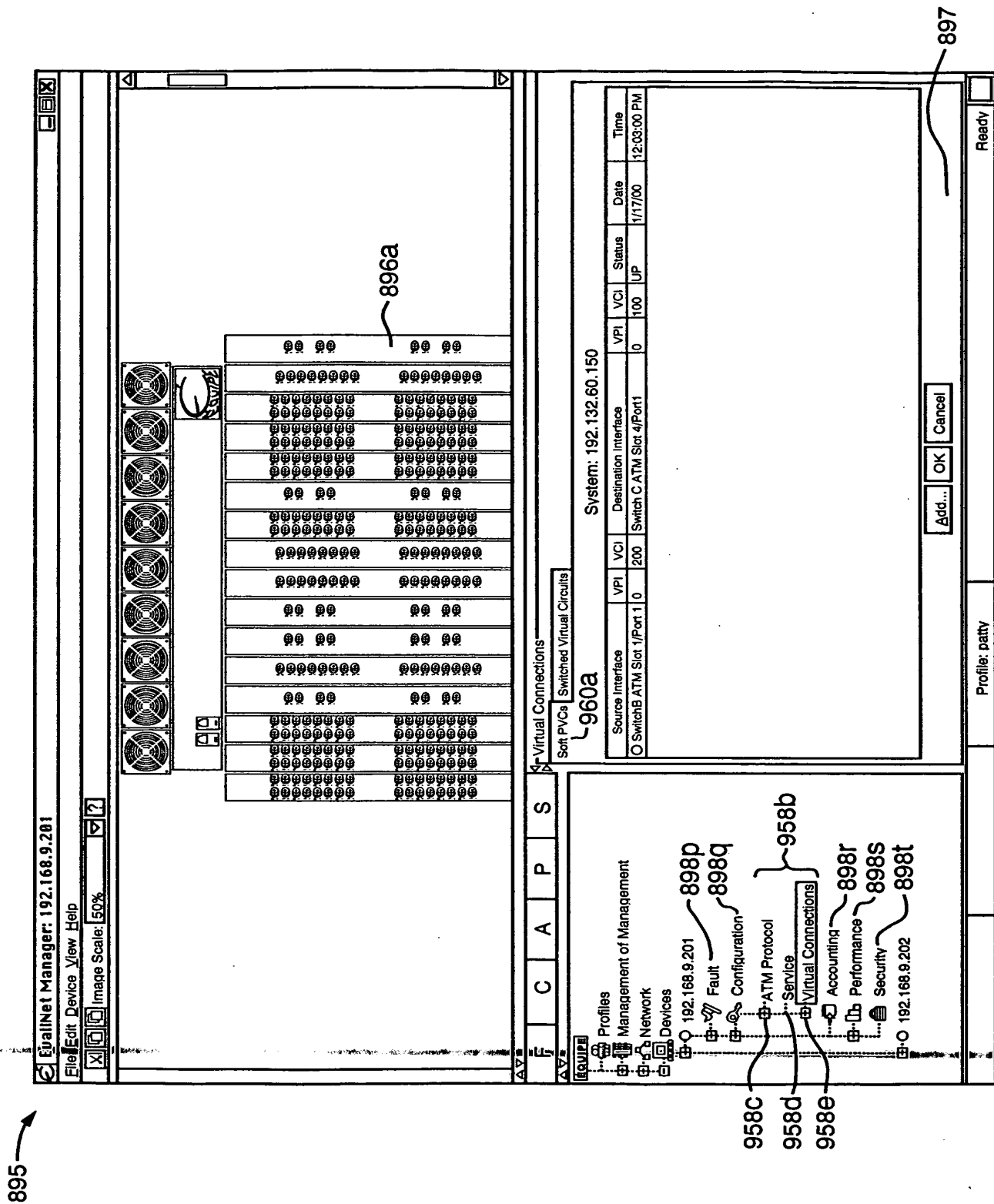
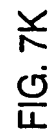


FIG. 7J



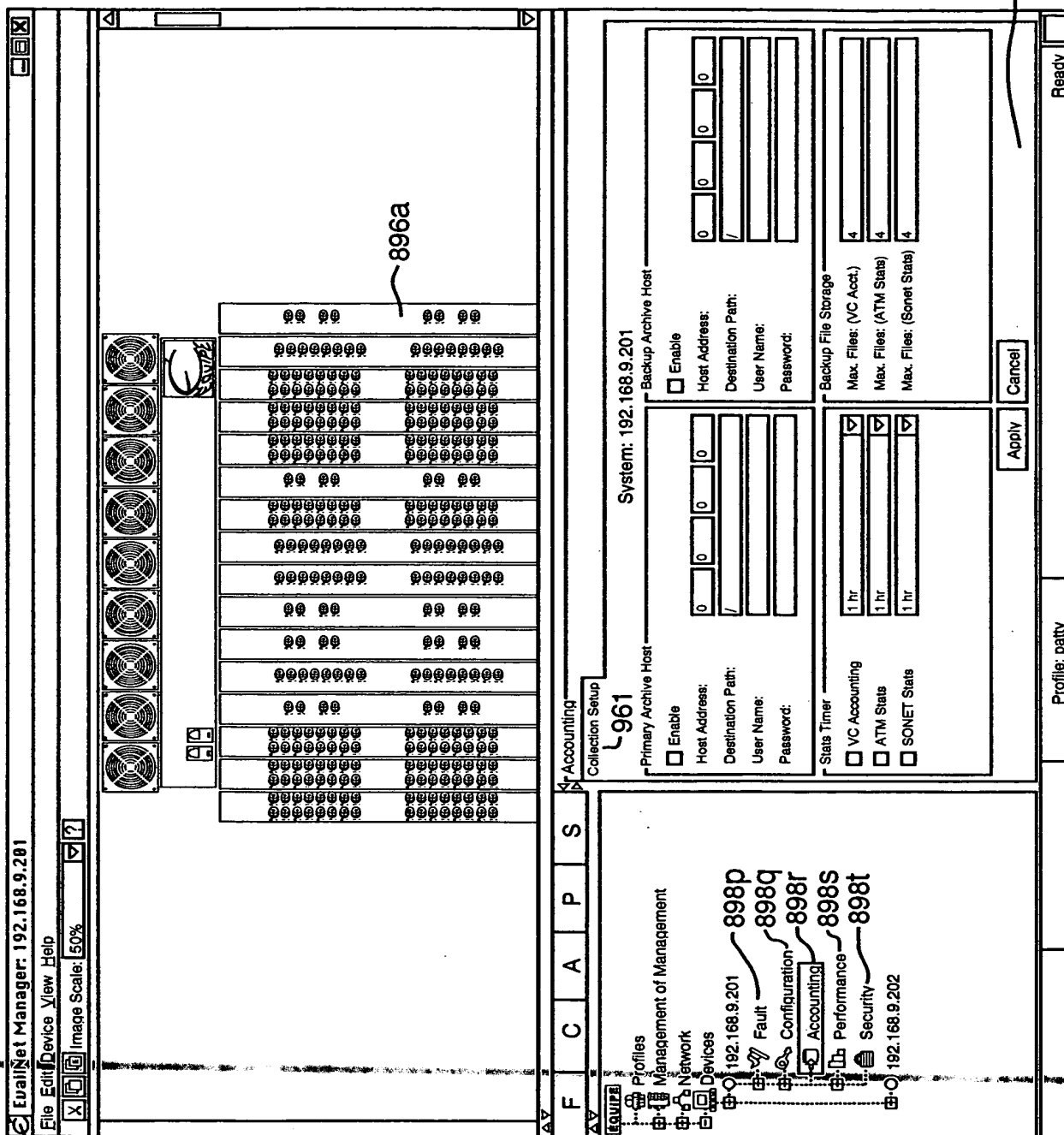


FIG. 7L

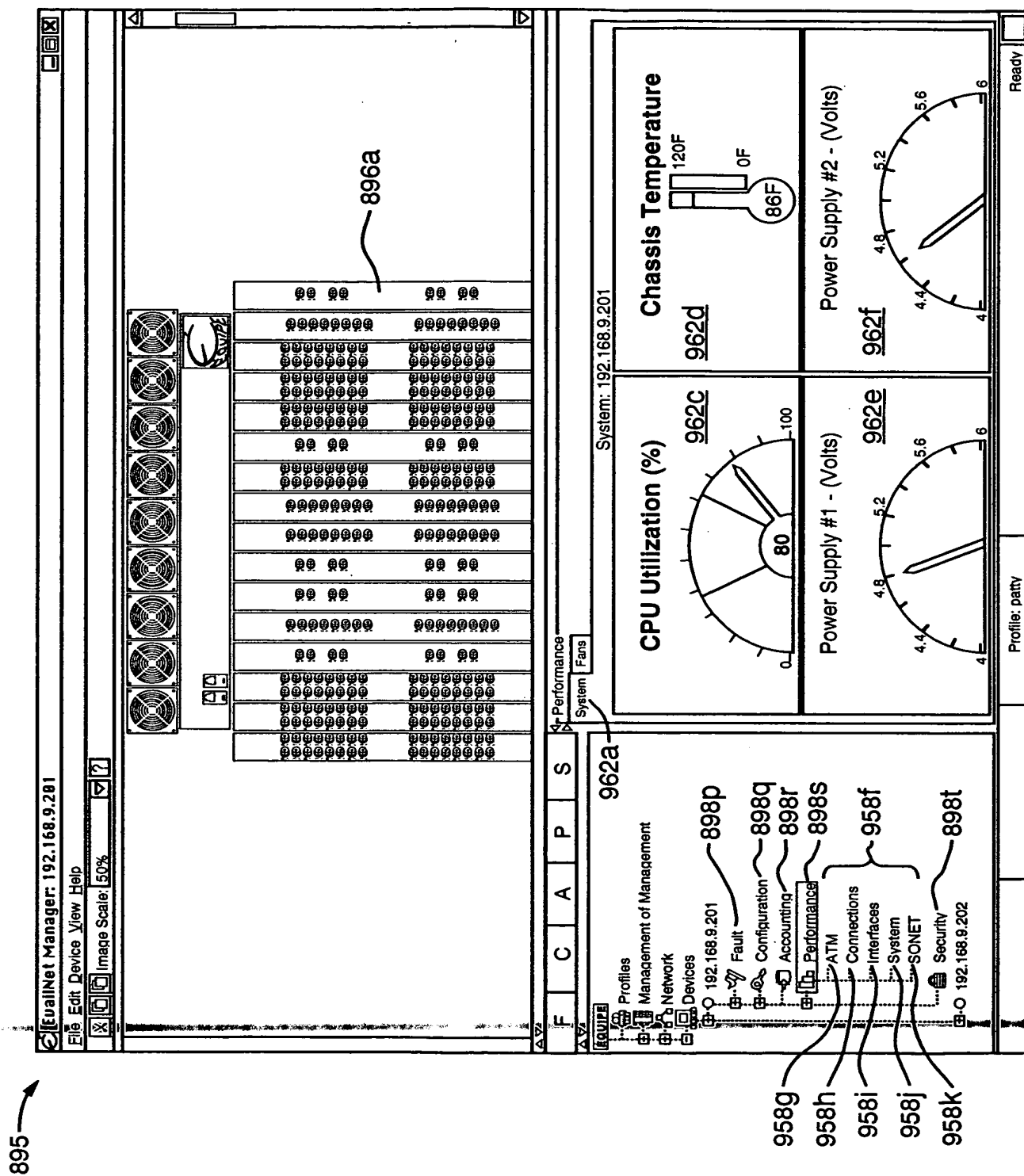


FIG. 7M

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895

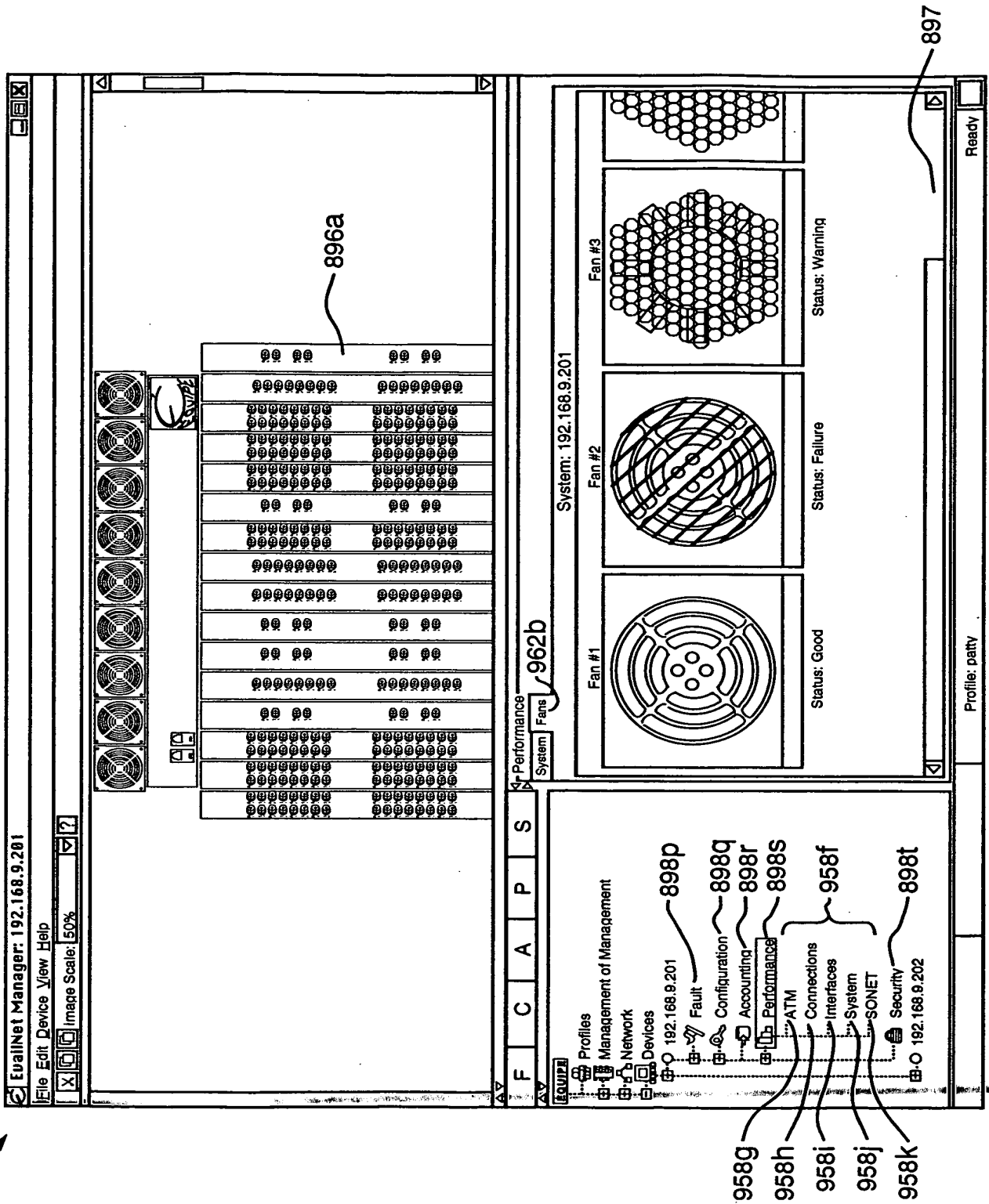


FIG. 7N

895

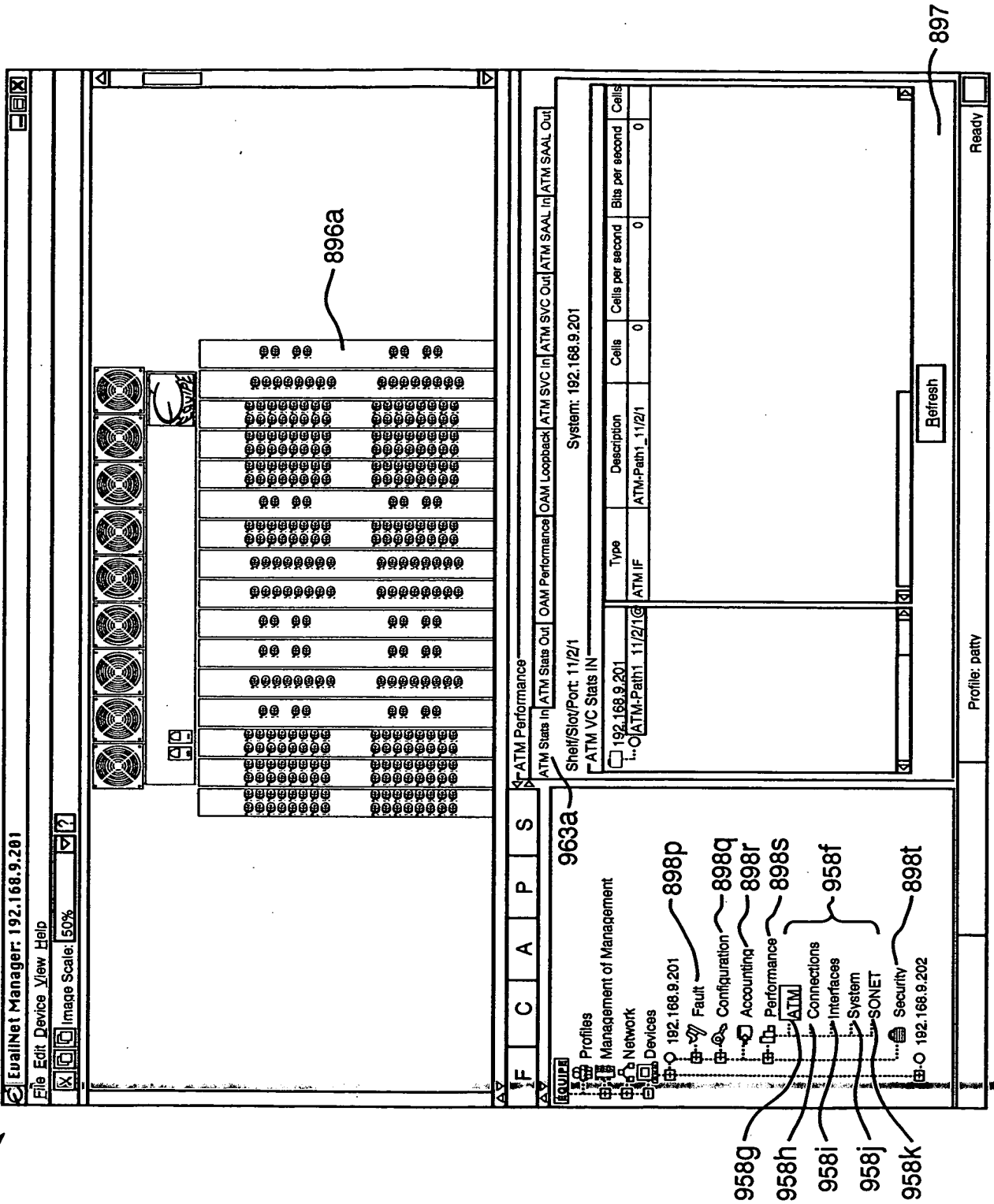
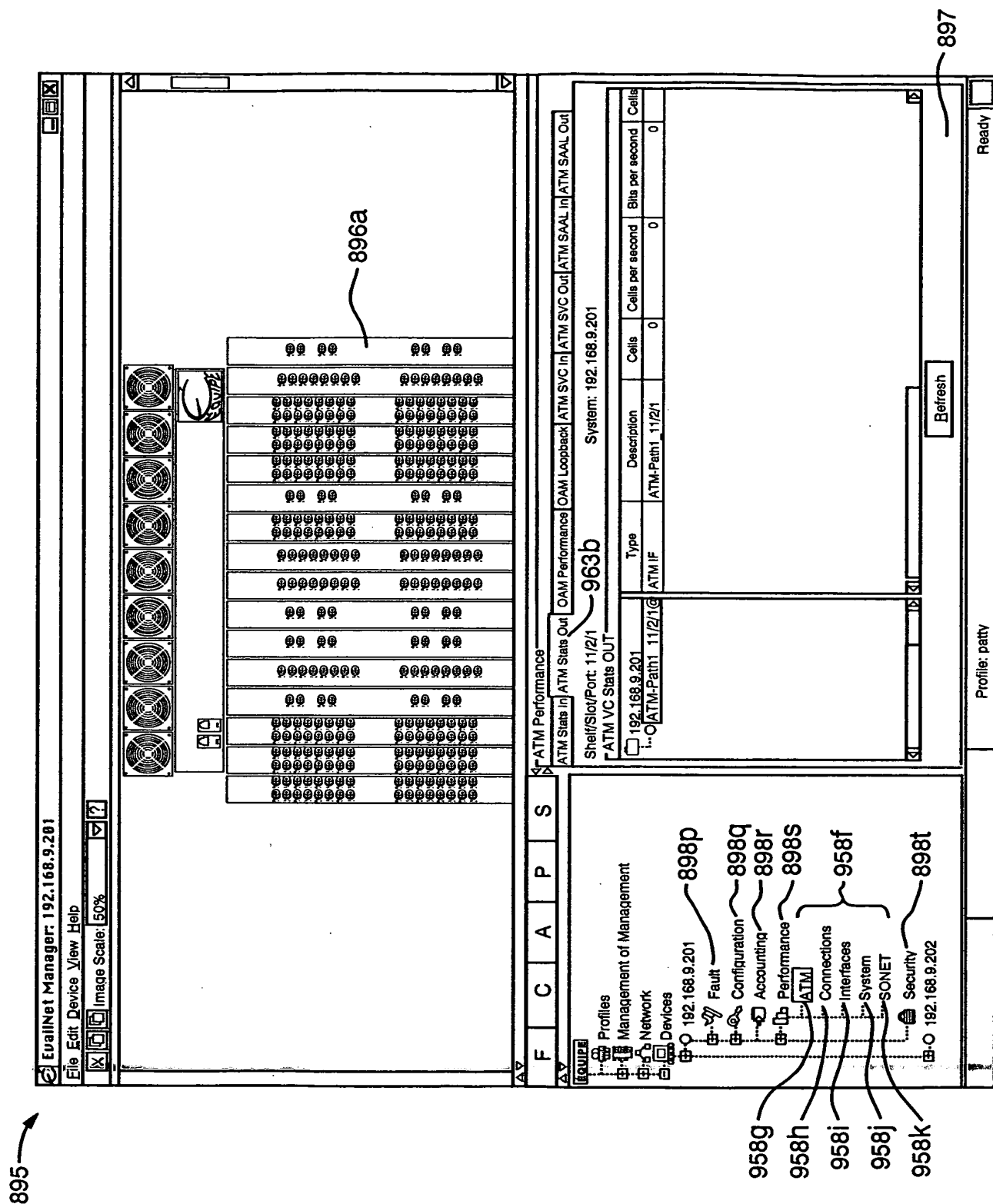


FIG. 70



895

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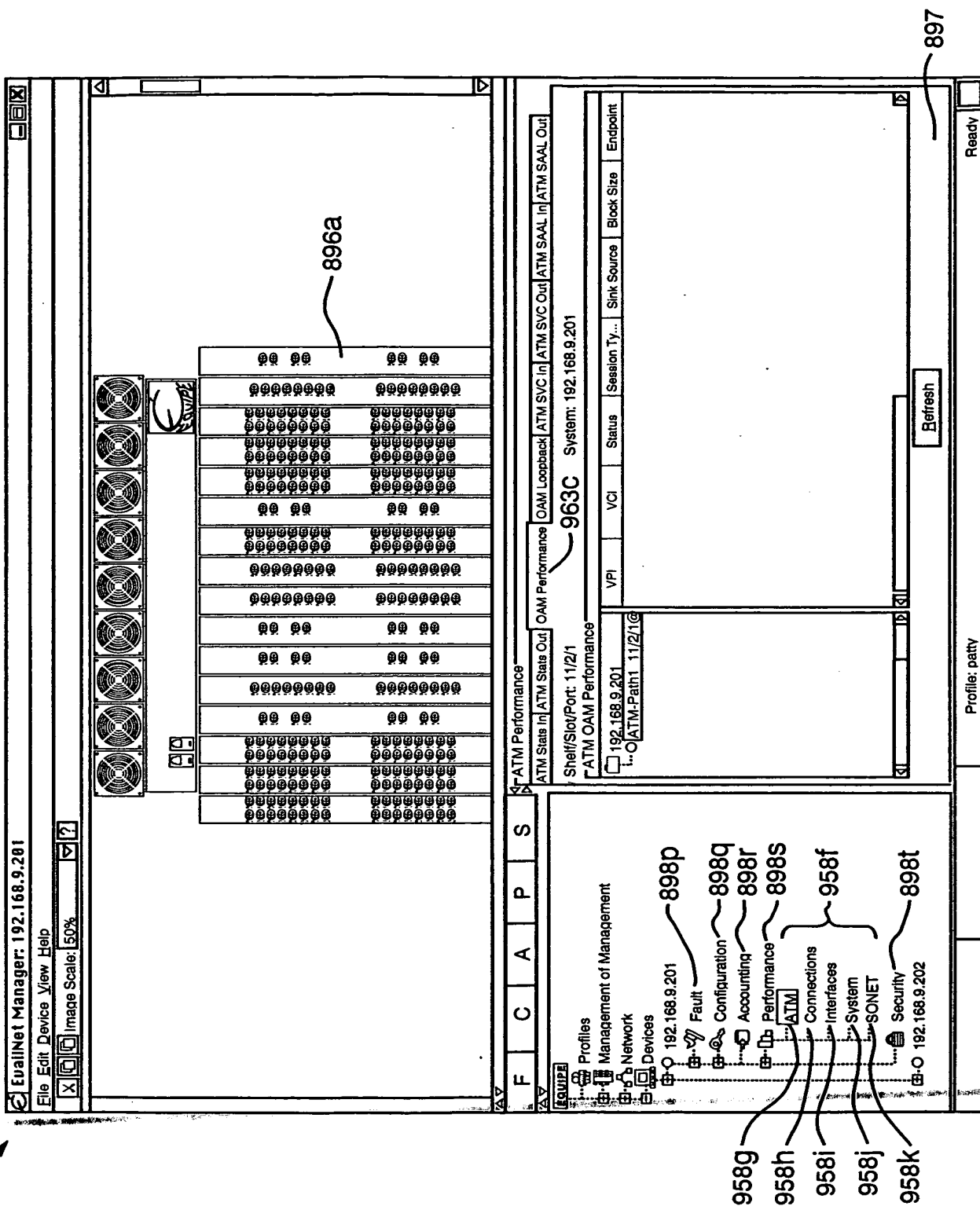
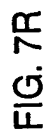


FIG. 7Q



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895

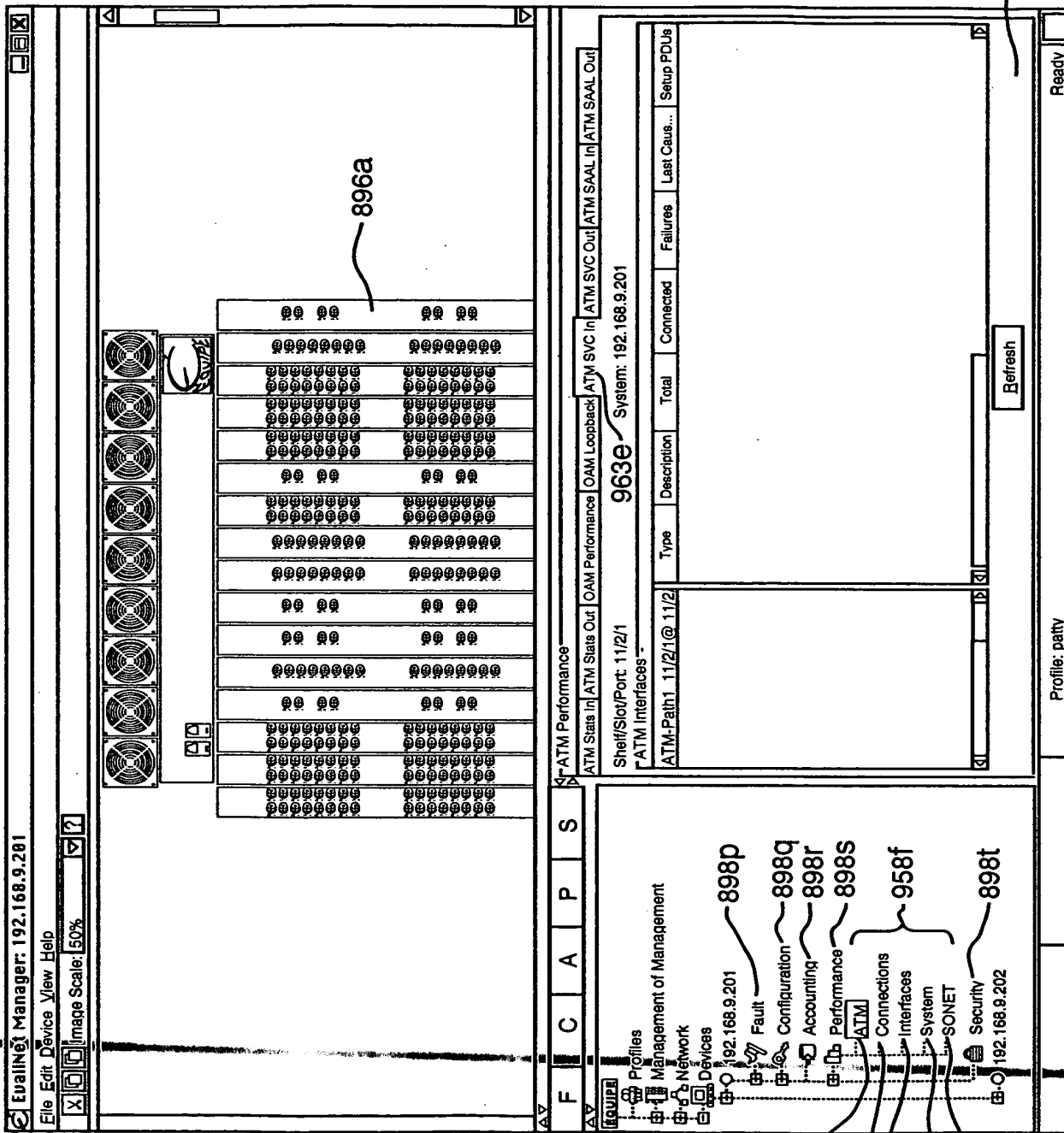
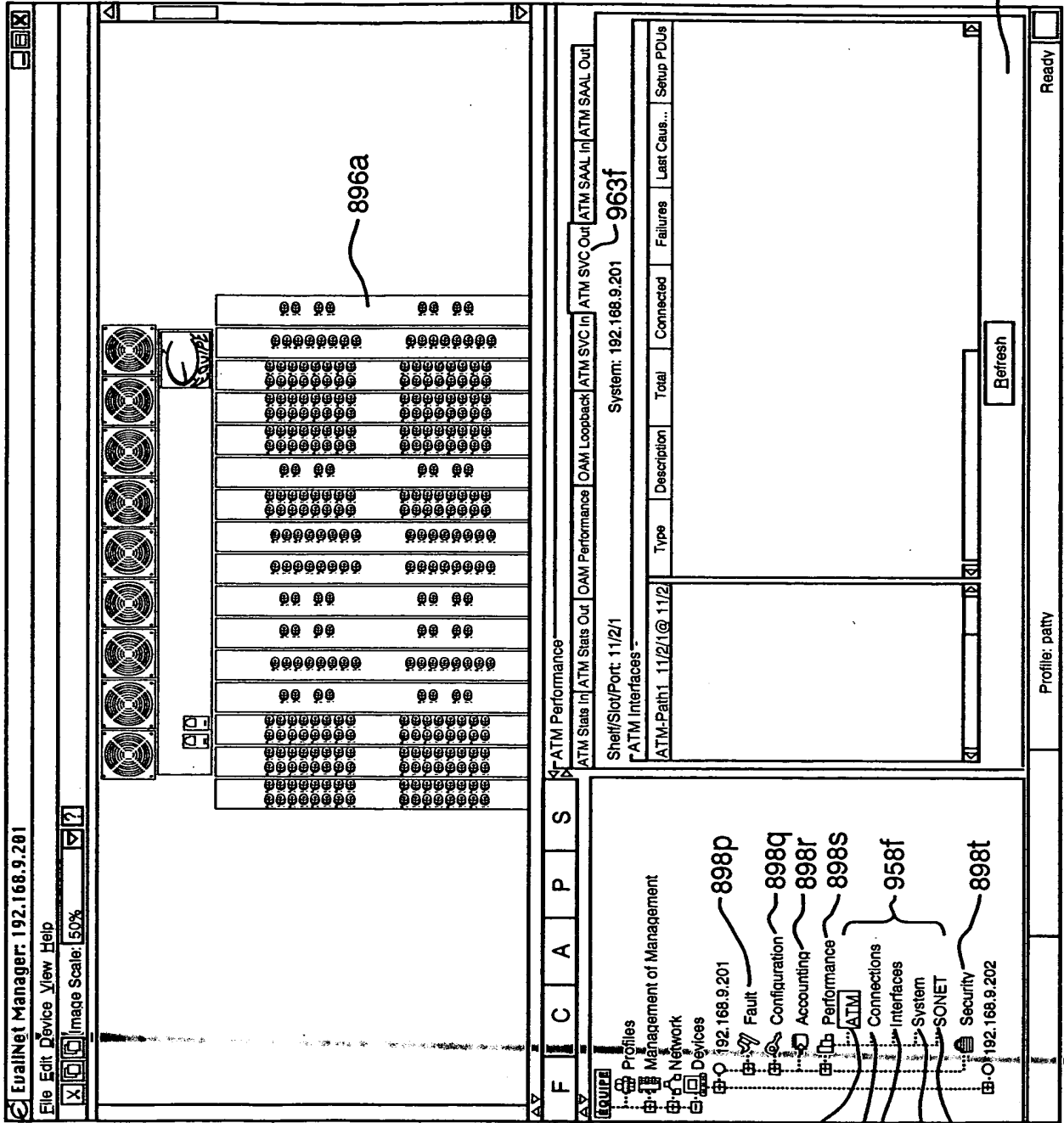


FIG. 7S

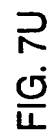
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895

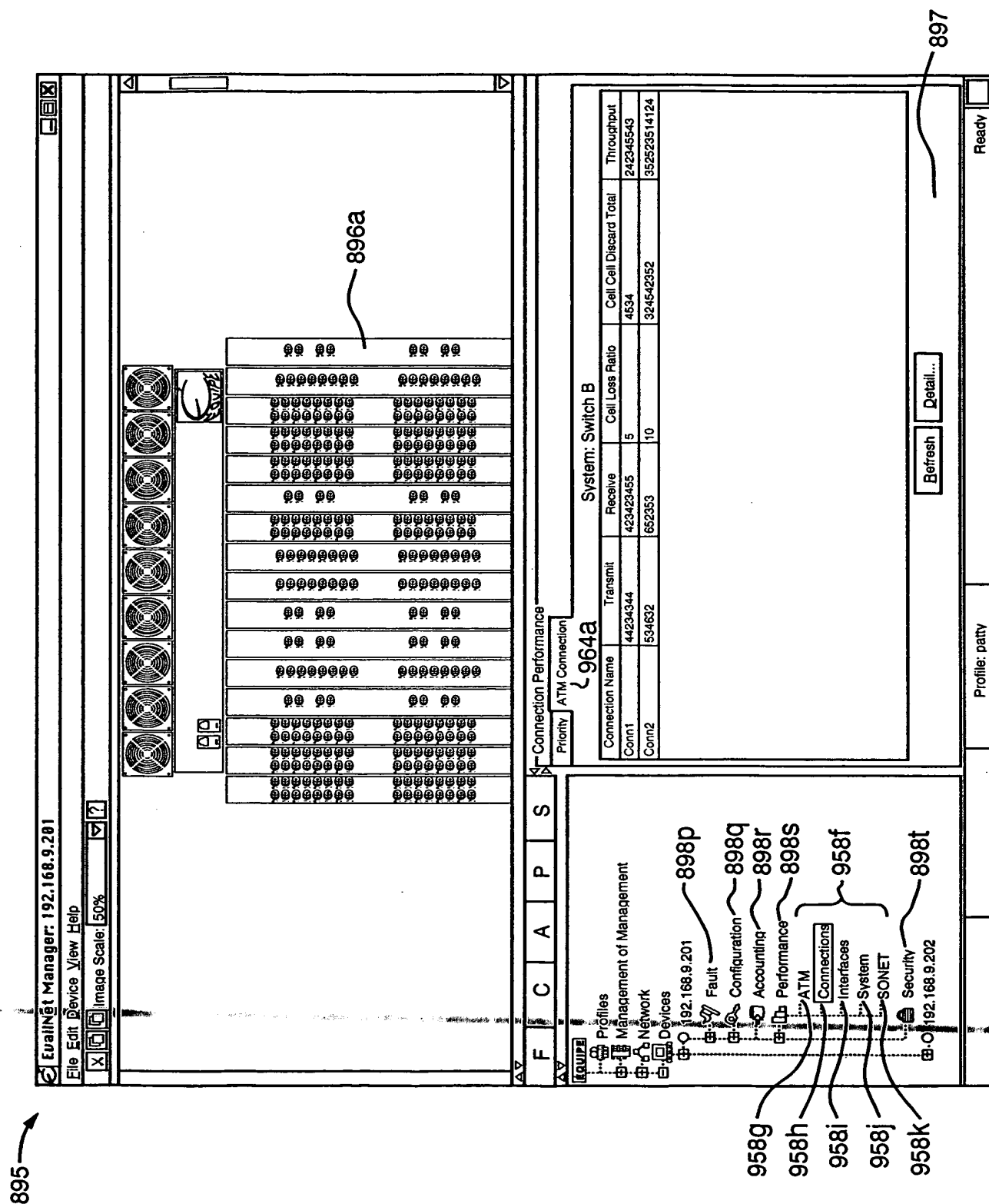


897

FIG. 7T



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896a

897

FIG. 7W

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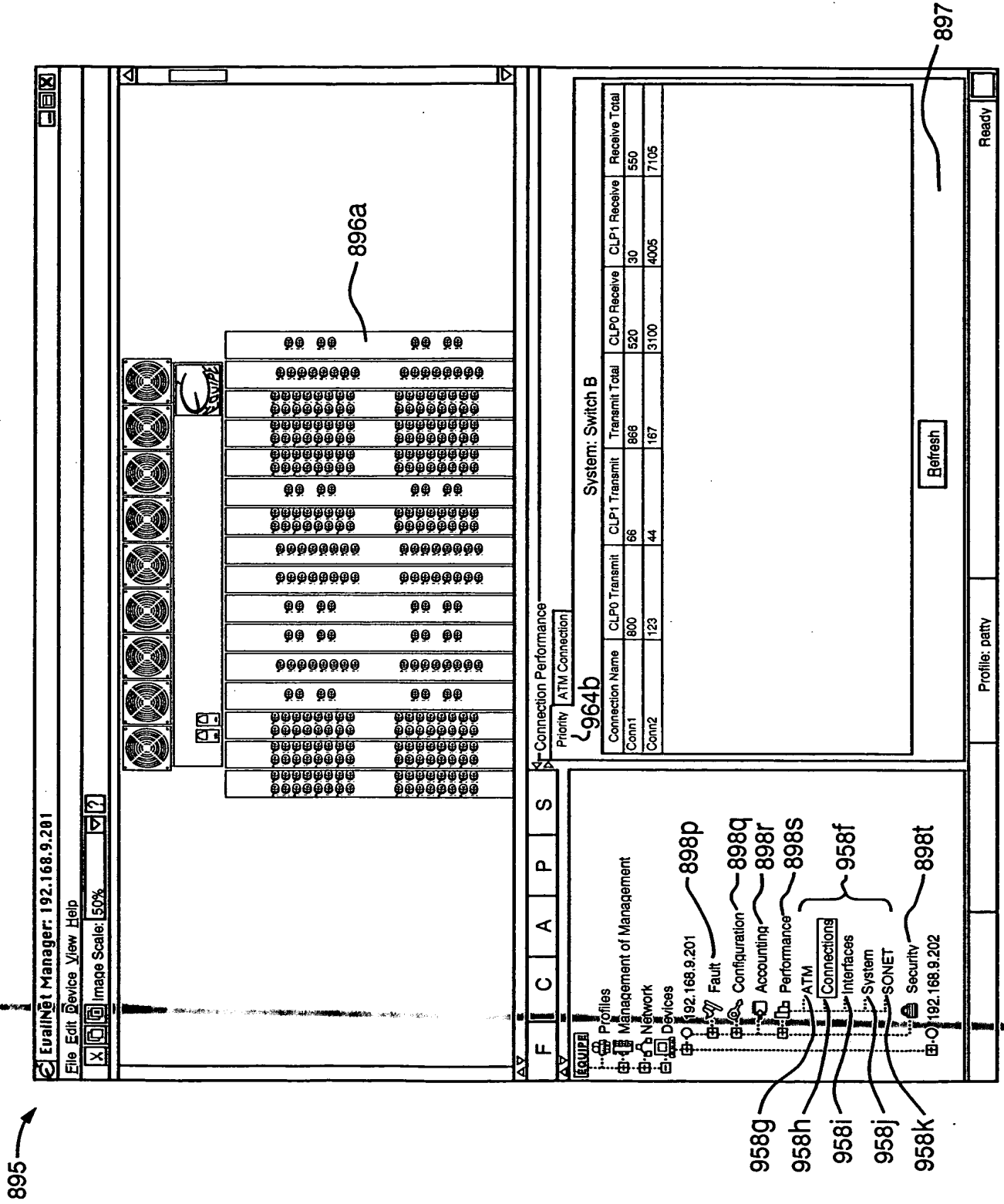


FIG. 7X

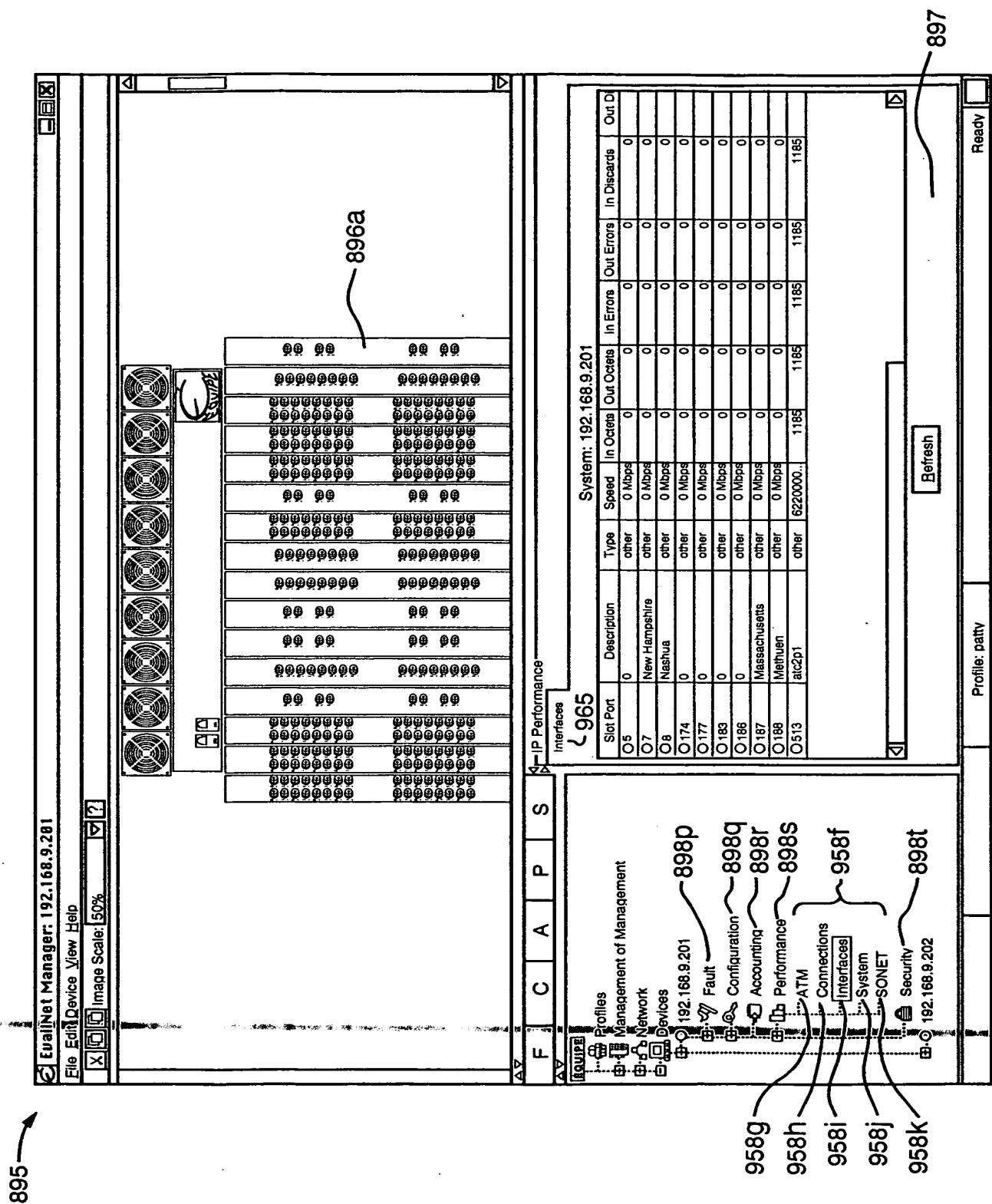


FIG. 7Y

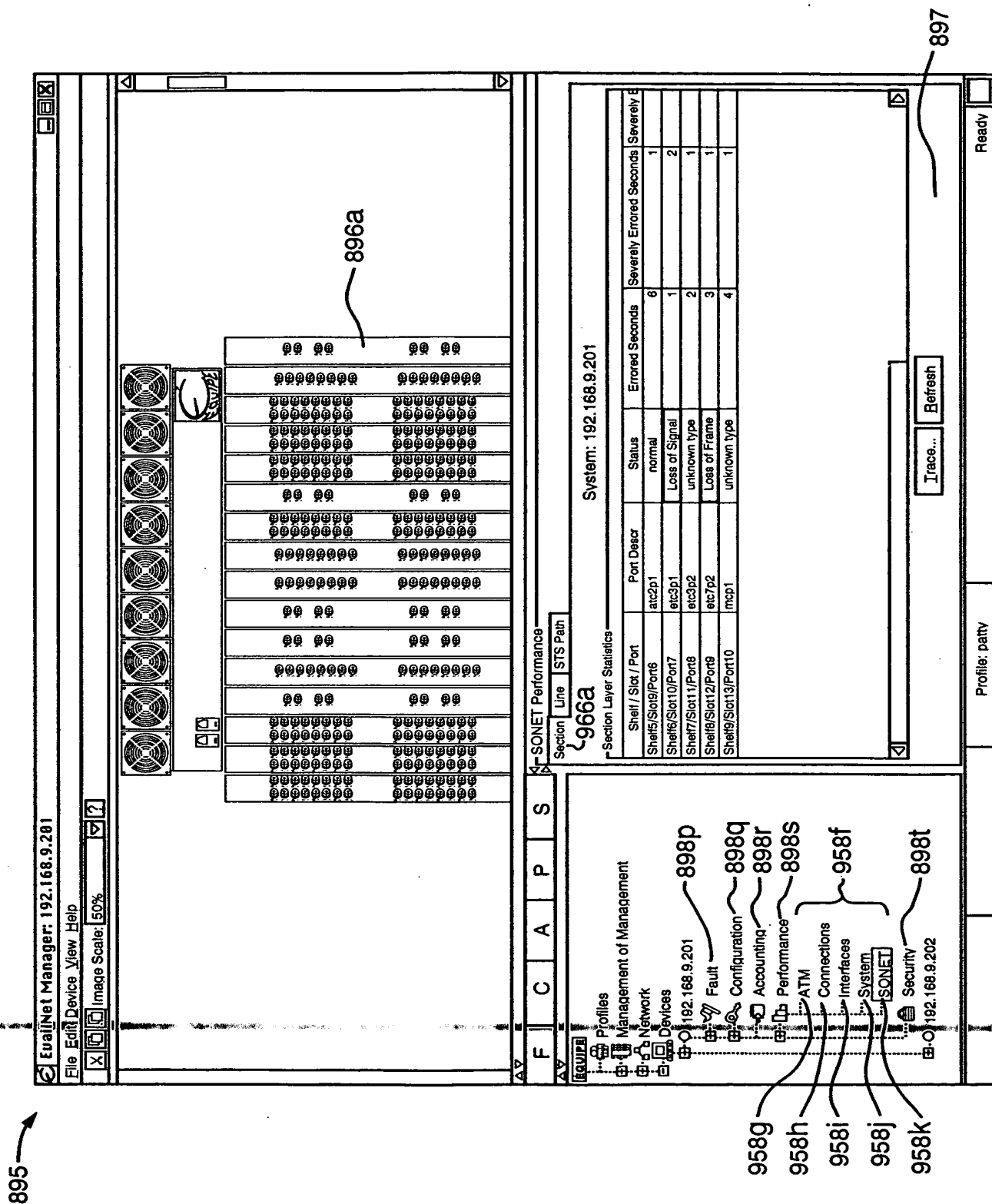
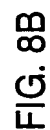


FIG. 8A



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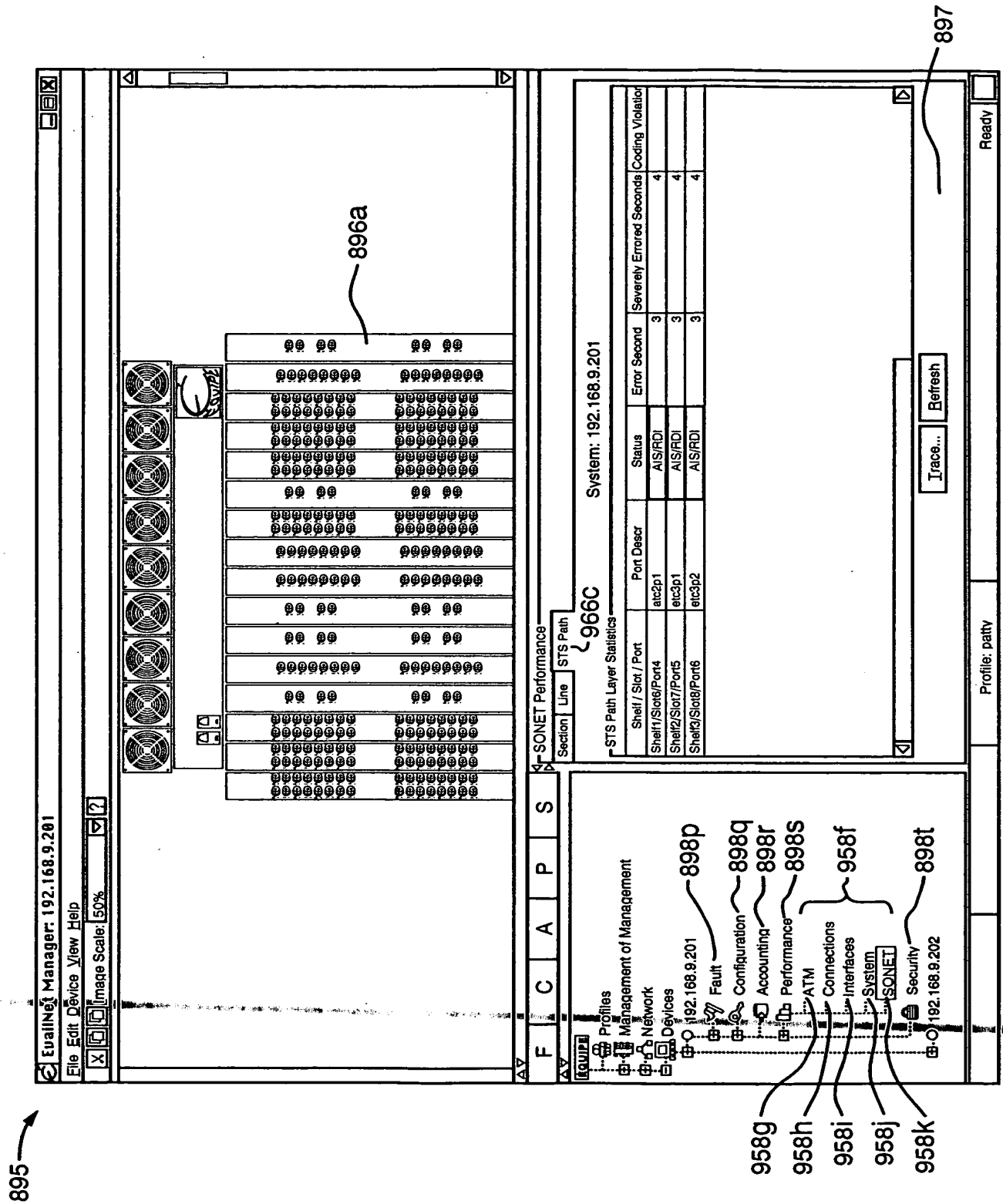


FIG. 8C

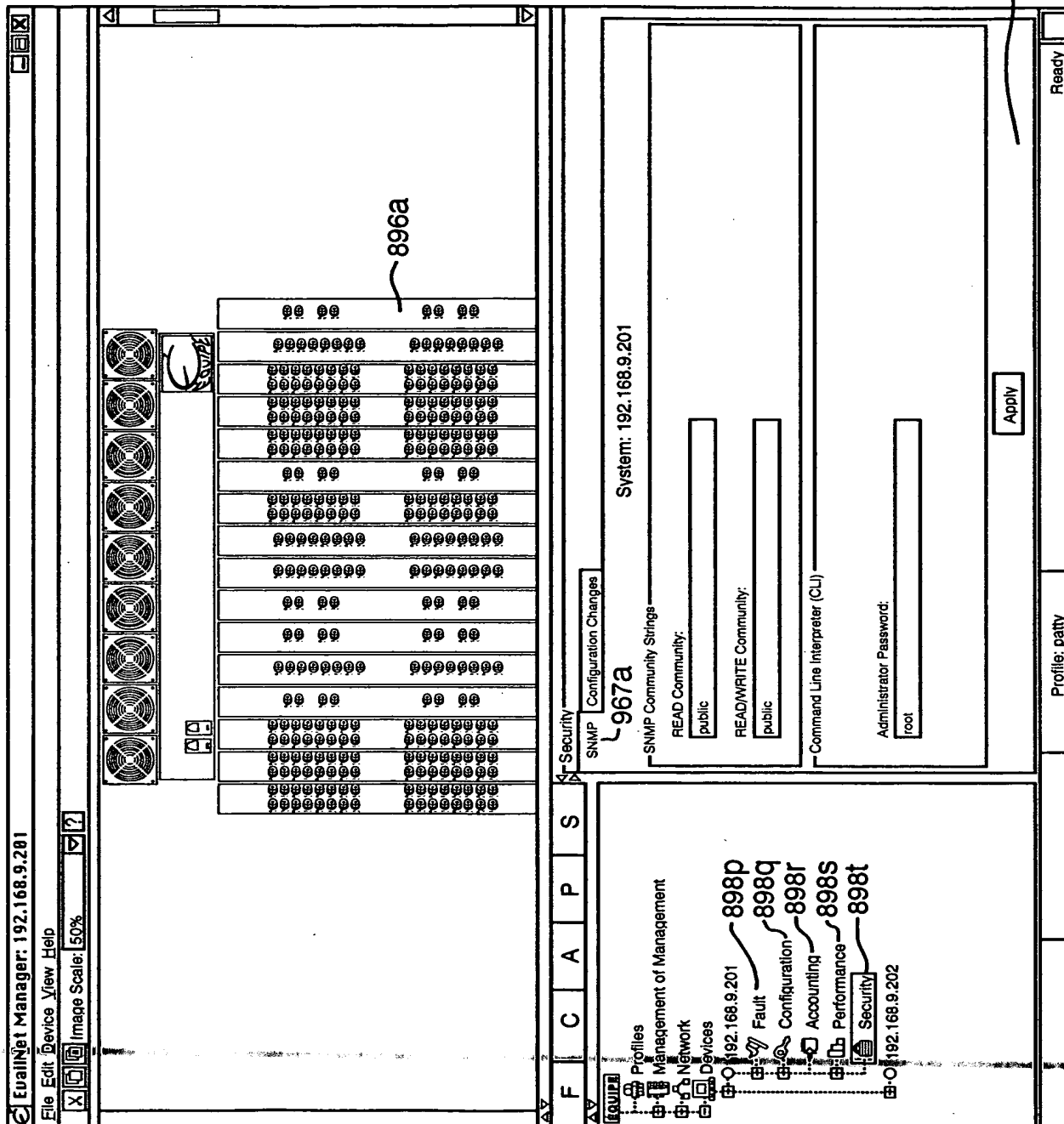
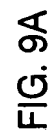


FIG. 8D



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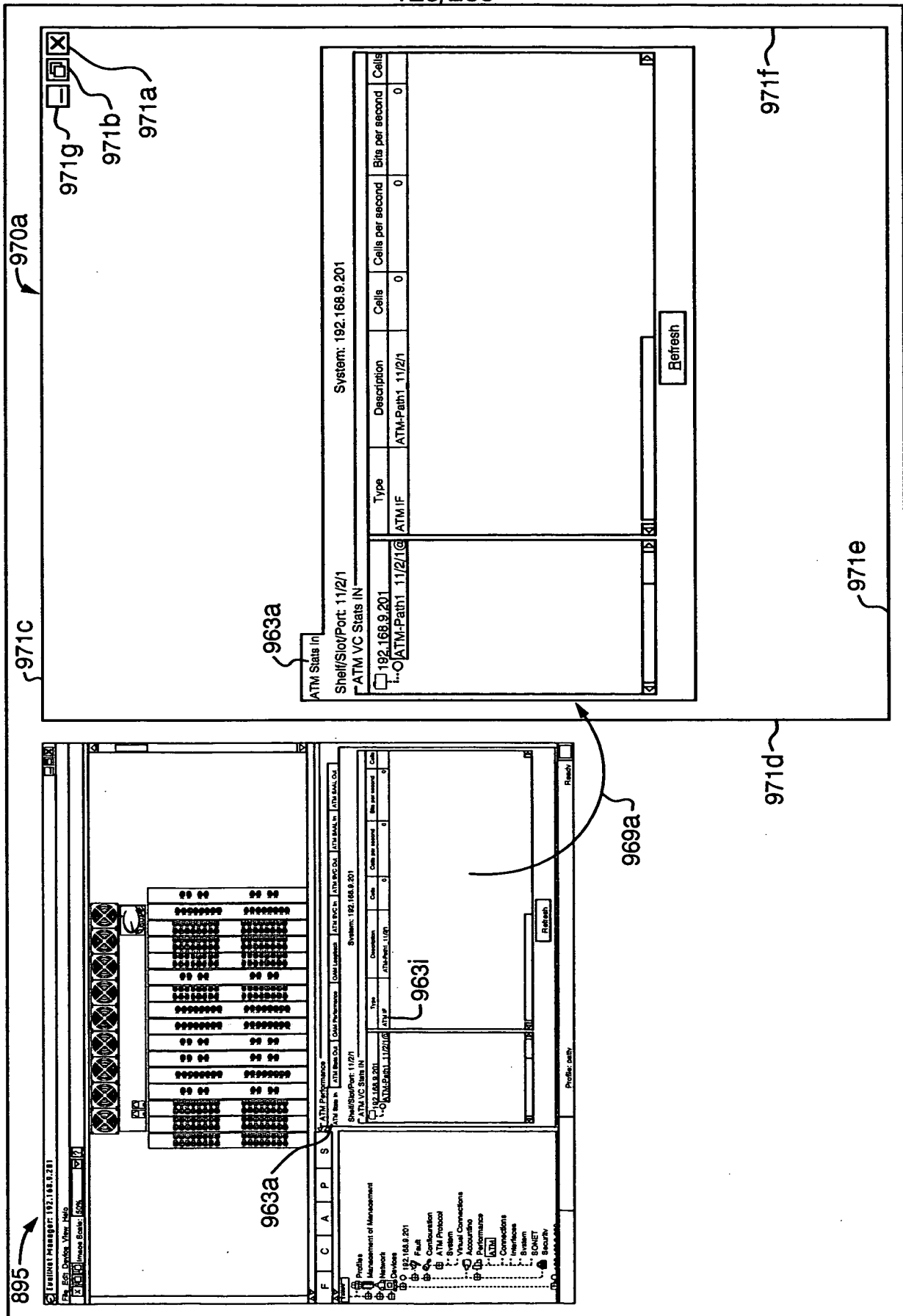
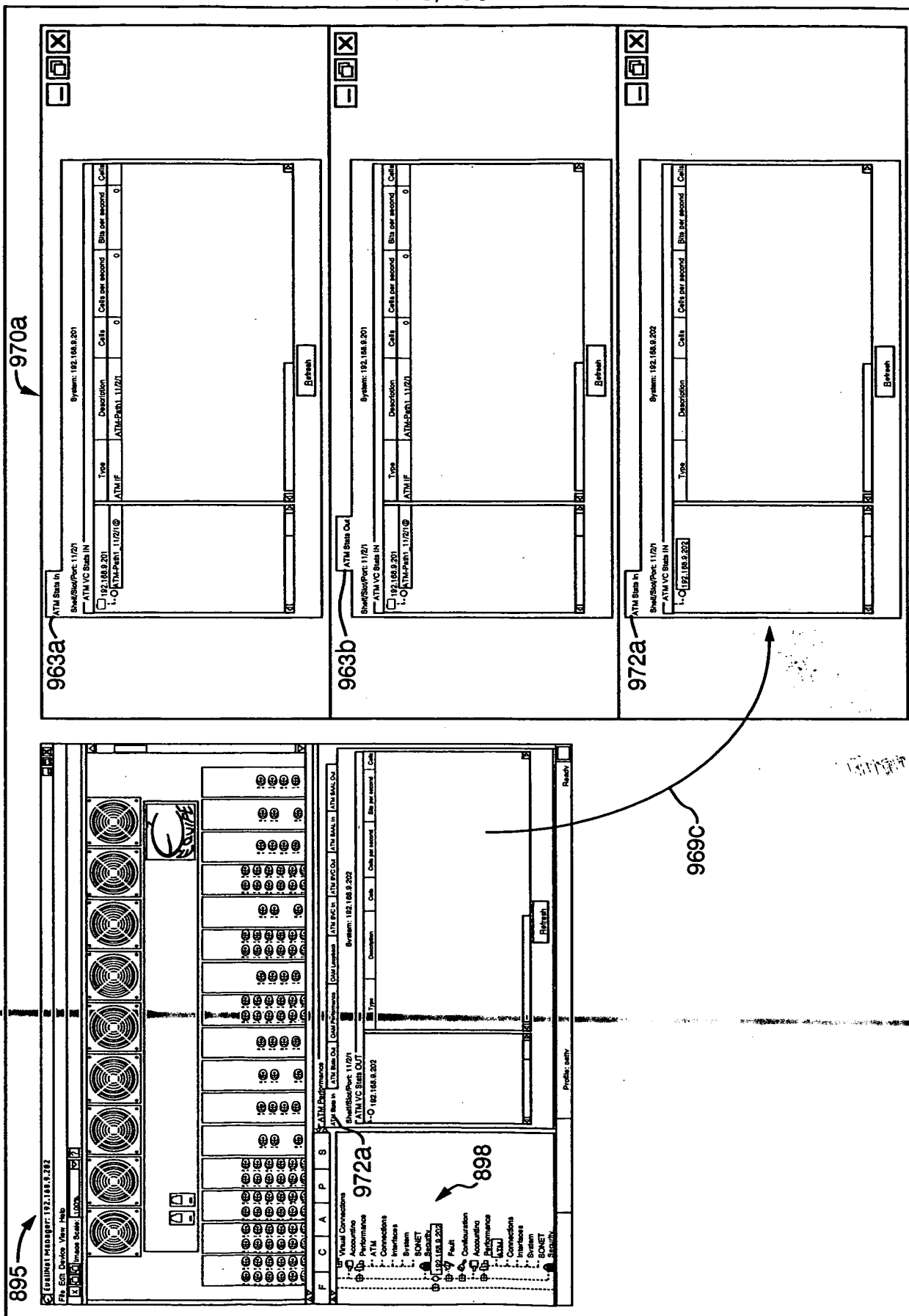


FIG. 9B

FIG. 9C



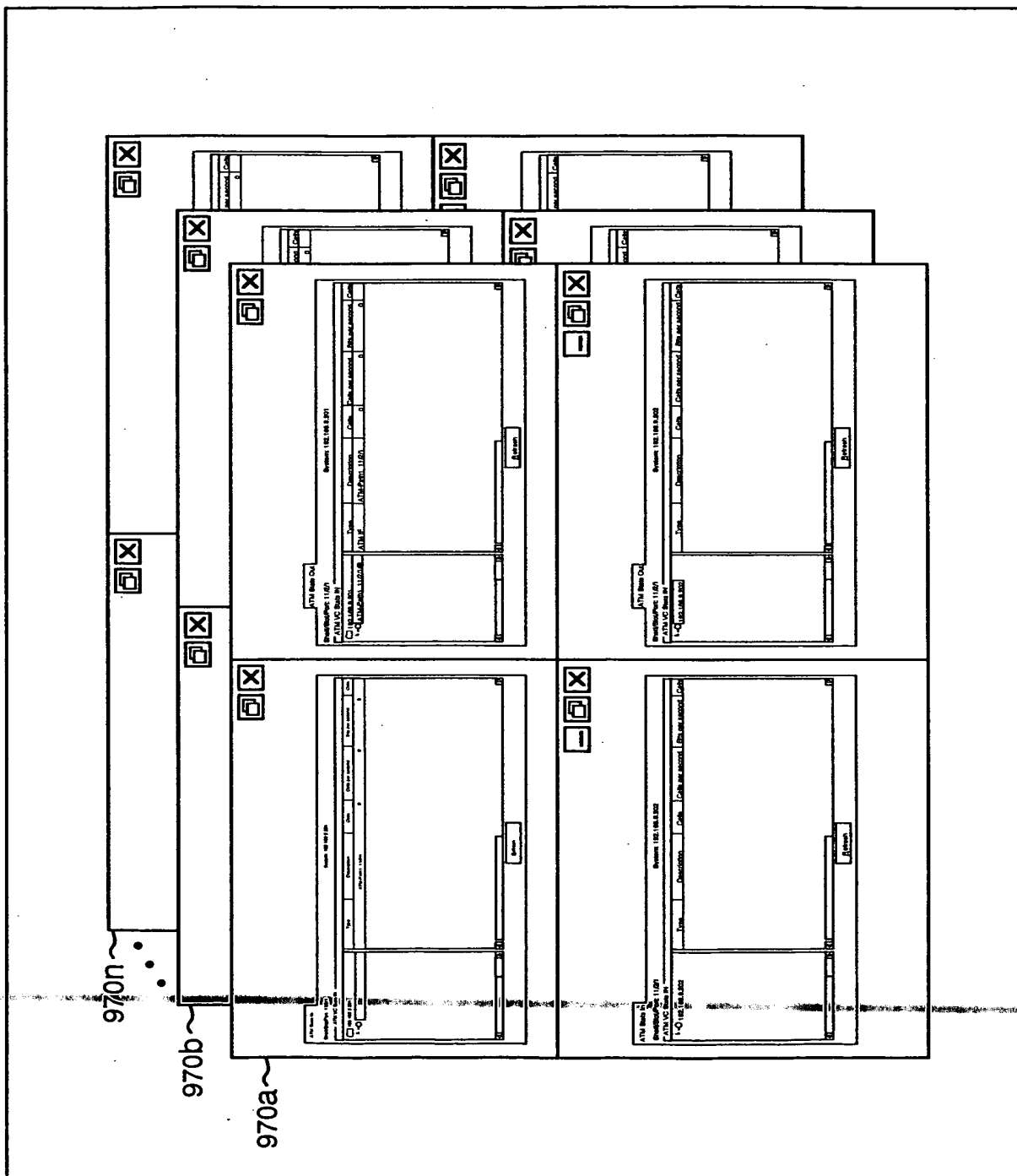


FIG. 9F

ATM Stats Out
963b

Shelf/Slot/Port 11/2/1
System: 192.168.9.201

ATM VC Stats Out
System: 192.168.9.201

ATM Path1_11/2/1
●

Type	Description	Cells	Cells per Second	Bits per Second	Cells
ATM IF	ATM-Path_11/2/1	0	0	0	0

▼
▼

Refresh

ATM Stats In
963a

Shelf/Slot/Port 11/2/1
System: 192.168.9.201

ATM VC Stats In
System: 192.168.9.201

ATM Path1_11/2/1
●

Type	Description	Cells	Cells per Second	Bits per Second	Cells
ATM IF	ATM-Path_11/2/1	0	0	0	0

▼
▼

Refresh

ATM Stats Out
963b

Shelf/Slot/Port 11/2/1
System: 192.168.9.201

ATM VC Stats Out
System: 192.168.9.201

ATM Path1_11/2/1
●

Type	Description	Cells	Cells per Second	Bits per Second	Cells
ATM IF	ATM-Path_11/2/1	0	0	0	0

▼
▼

Refresh

ATM Stats In
963a

Shelf/Slot/Port 11/2/1
System: 192.168.9.201

ATM VC Stats In
System: 192.168.9.201

ATM Path1_11/2/1
●

Type	Description	Cells	Cells per Second	Bits per Second	Cells
ATM IF	ATM-Path_11/2/1	0	0	0	0

▼
▼

Refresh

FIG. 9G

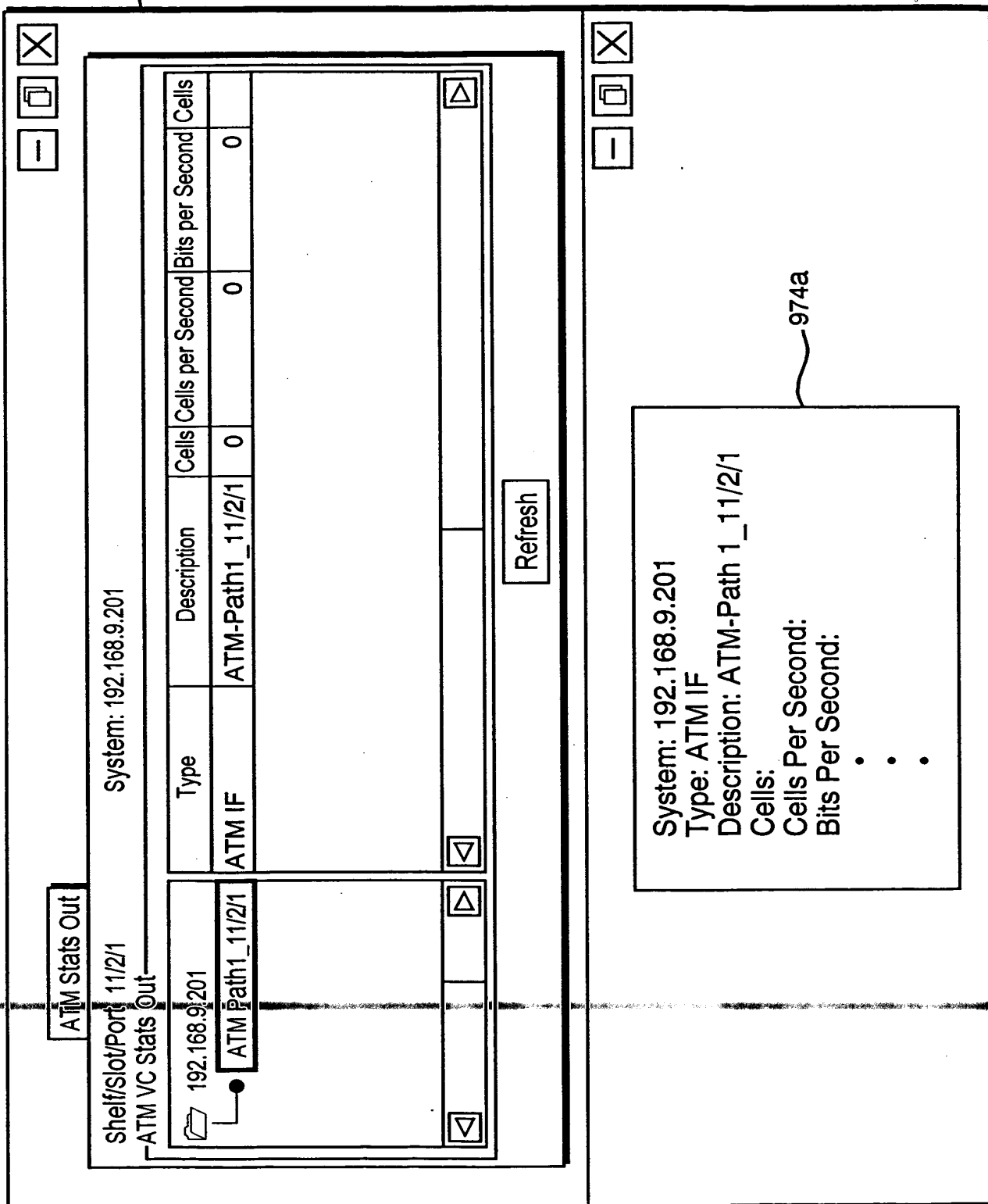


FIG. 9H

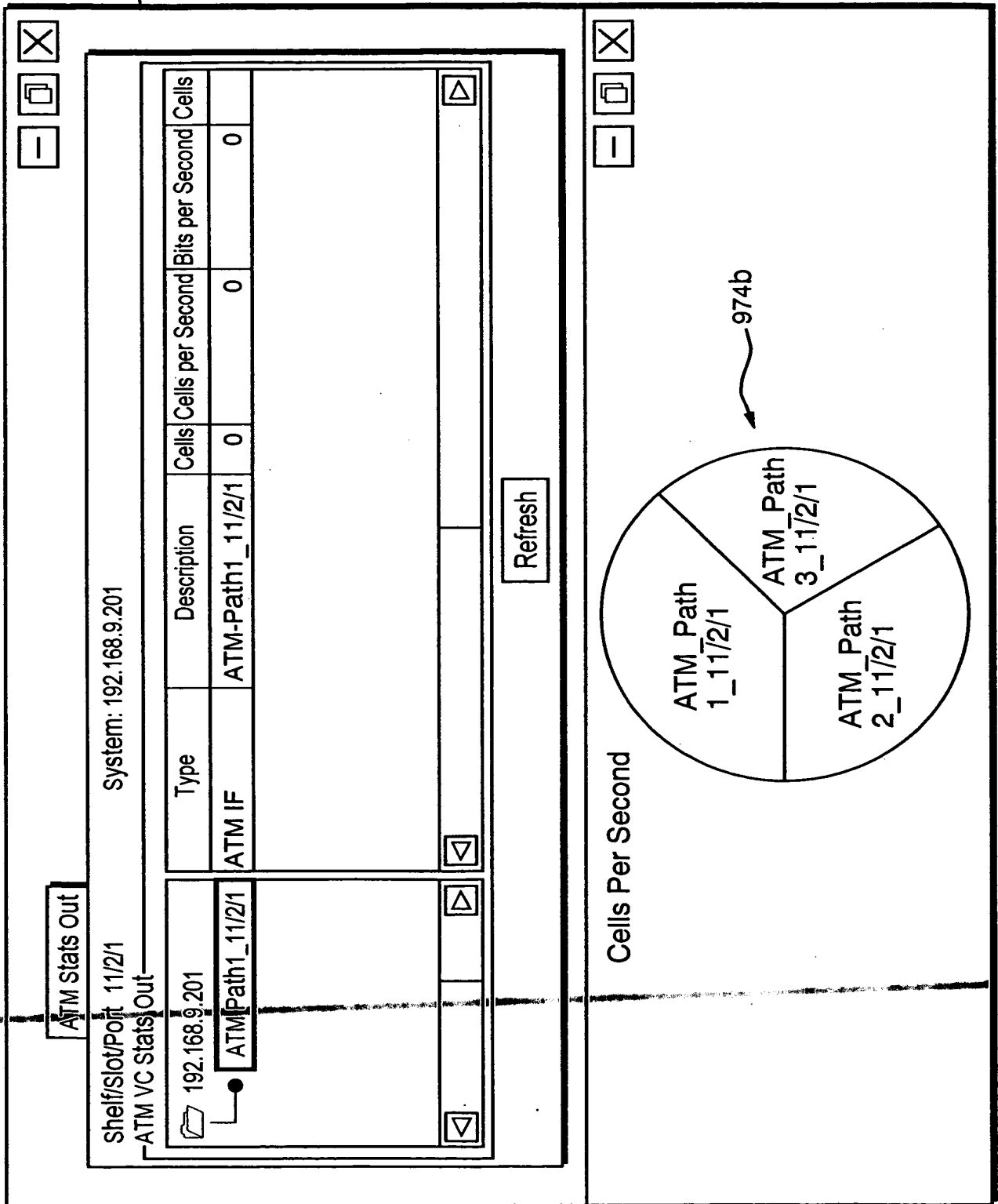


FIG. 9I

970a

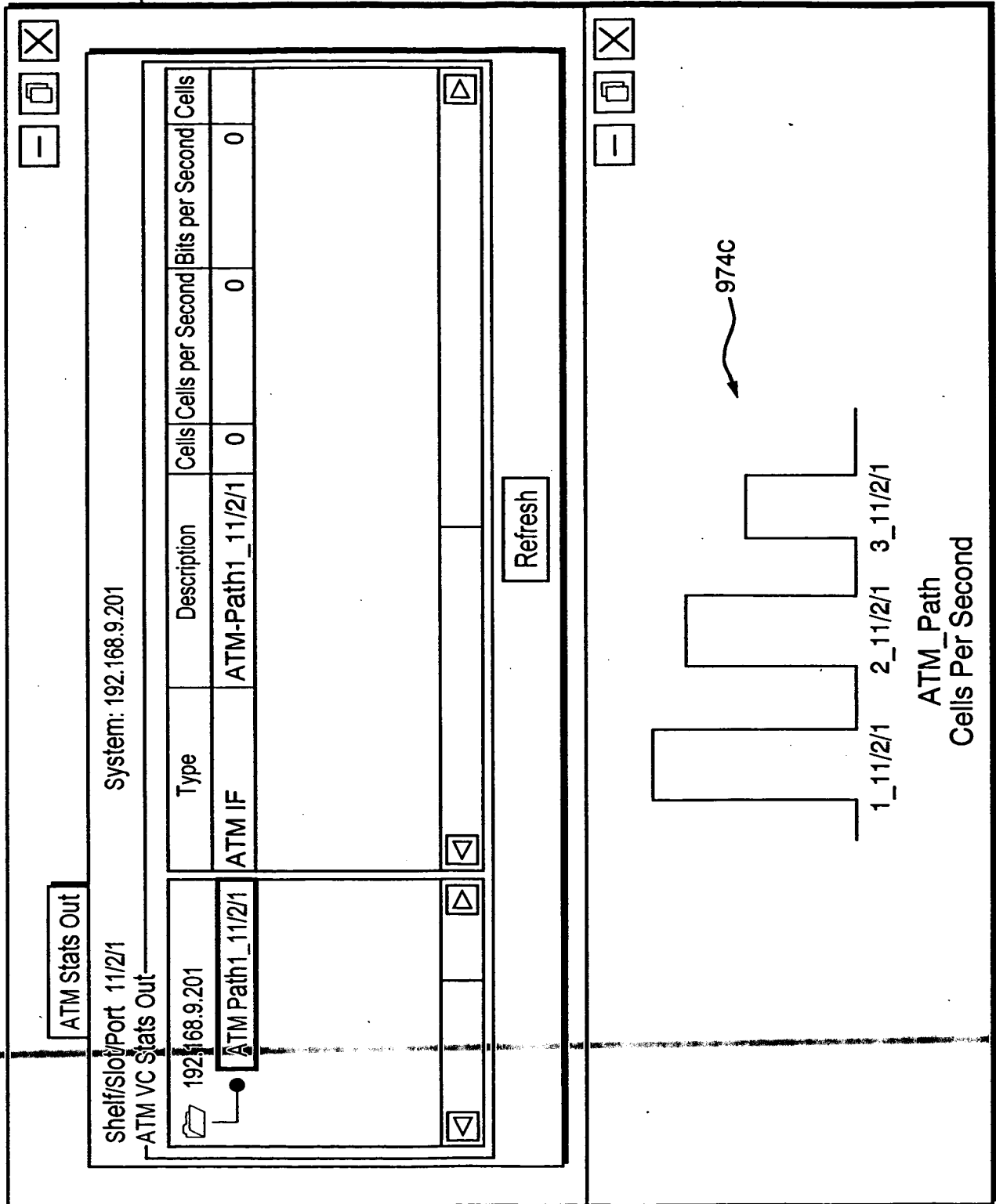


FIG. 9J

ATM Stats Out
System: 192.168.9.201

Shelf/Slot/Port 11/2/1
System: 192.168.9.201

ATM VC Stats OUT
ATM Path1_11/2/1

Type	Description	Cells per Second	Bits per Second	Cells
ATM IF	ATM-Path_11/2/1	0	0	0

ATM Interface Properties - 192.168.9.202
X

Shelf/Slot/Port: 11/4/1
Path Name: Path2_11/2/1

ATM Properties
X

Name

Minimum VPI bits

Maximum VPI bits

Minimum VCI bits

Maximum VCI bits

ATM-Path_11/2/1

1

8

5

16

FIG. 9K

FIG. 9L

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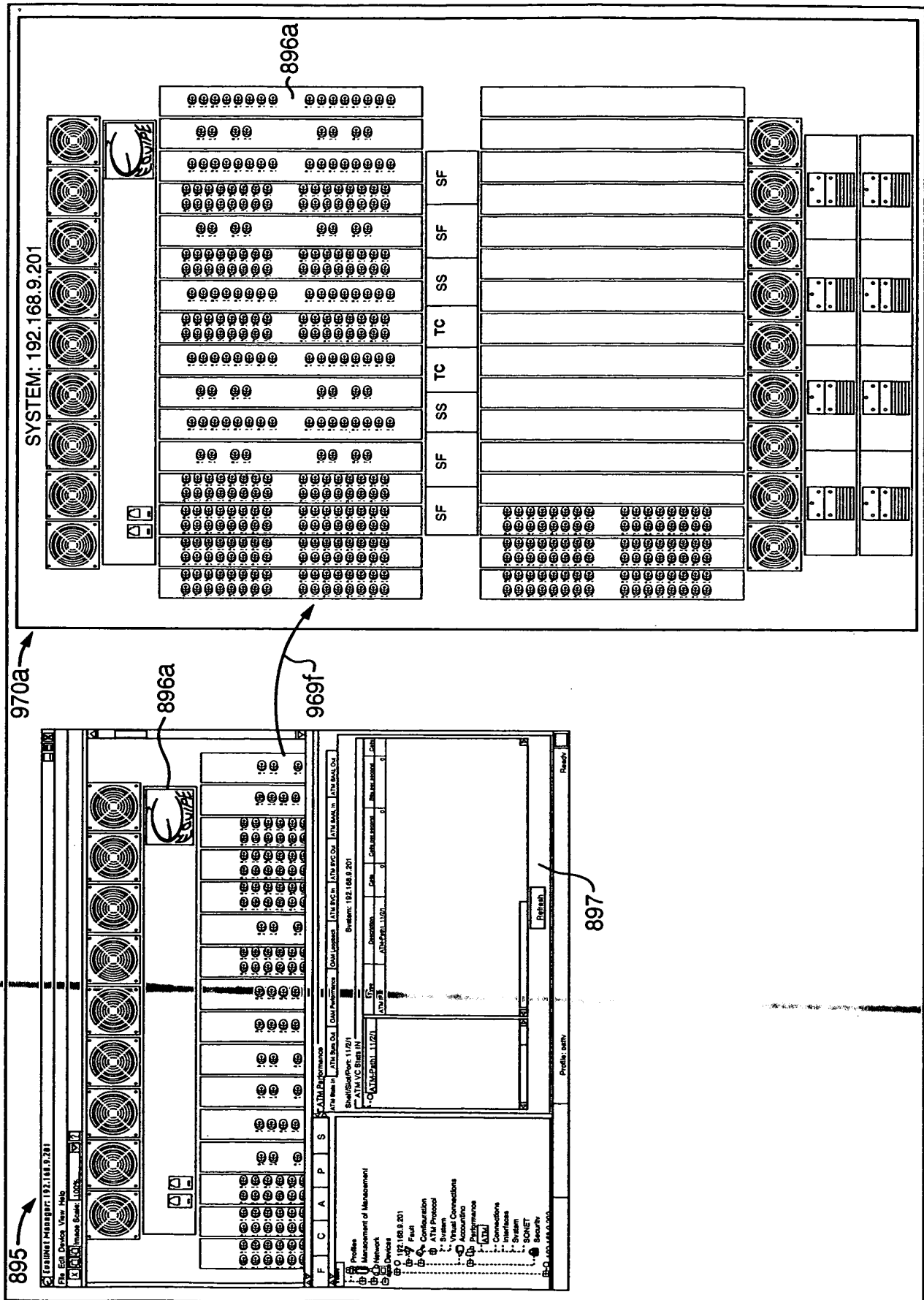


FIG. 9M

FIG. 9N

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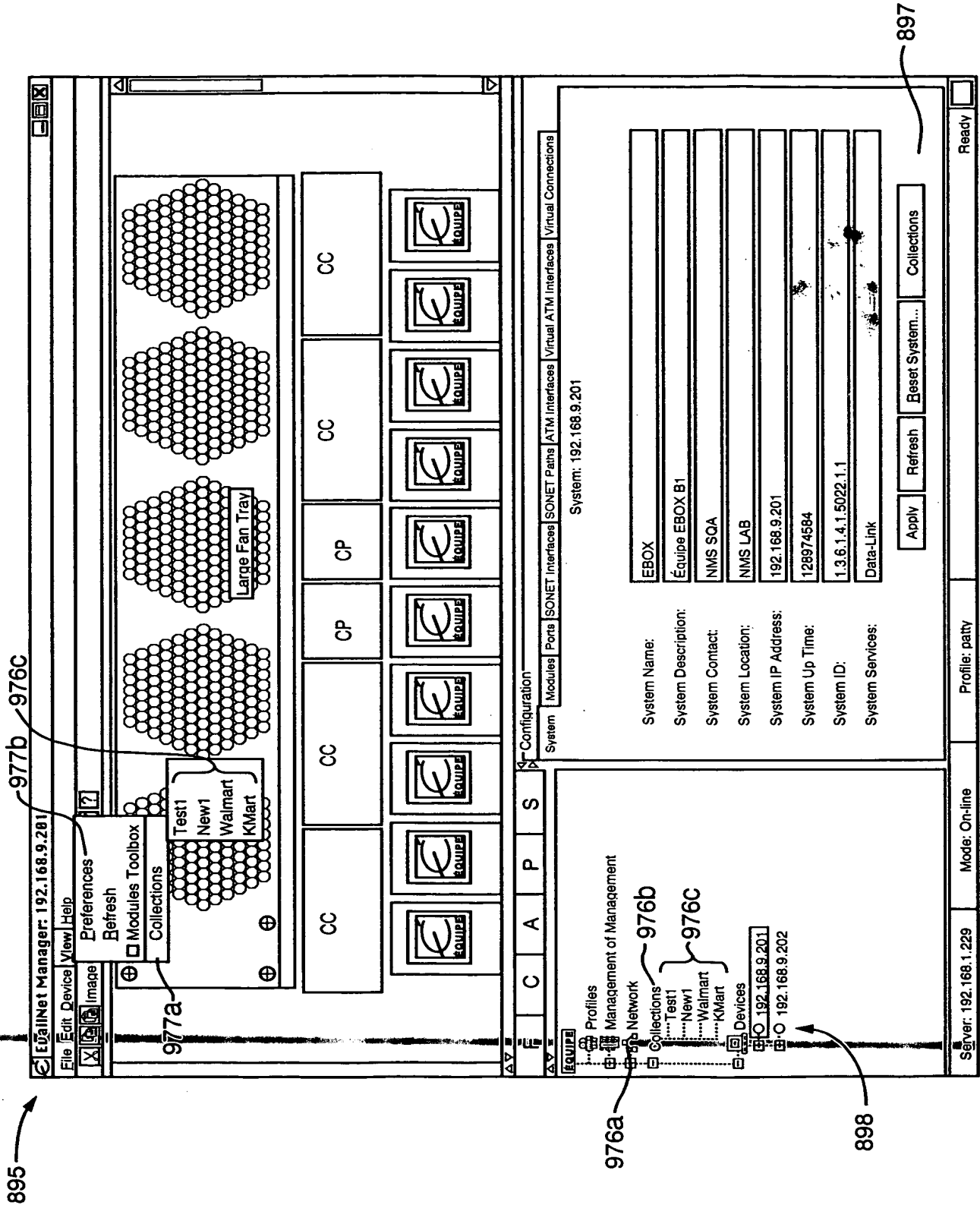
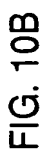


FIG. 10A





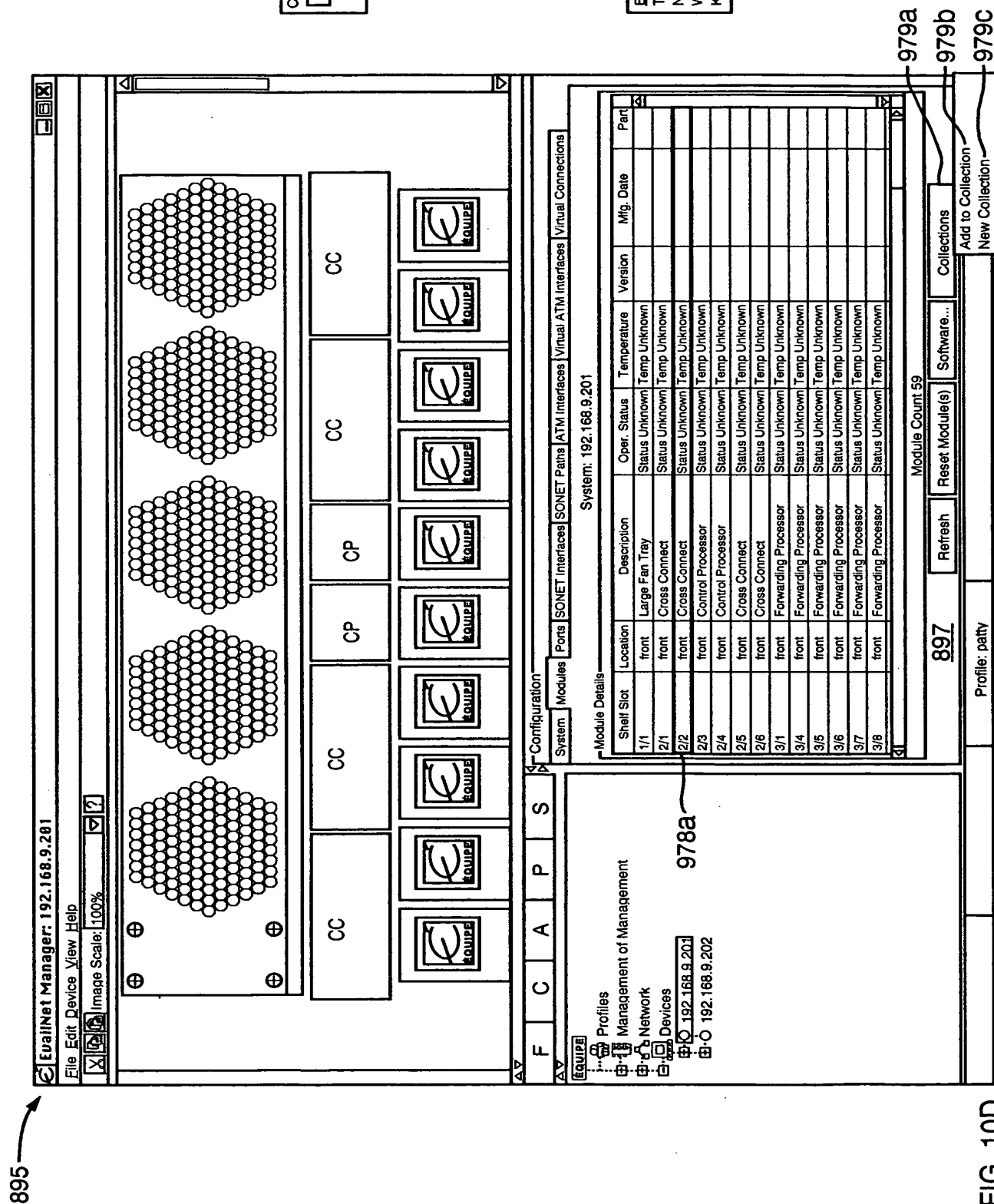


FIG. 10D

FIG. 10E

FIG. 10F

Figure 1 is a schematic diagram of the experimental design. It shows a sequence of steps: 979a (Add to Collection), 979b (New Collection), and 979c (Add to Collection). The diagram includes a vertical axis with labels 979a, 979b, and 979c. Arrows indicate the flow from 979a to 979b and from 979b to 979c. A box labeled 'Add to Collection' is connected to 979a, and a box labeled 'New Collection' is connected to 979b.

FIG. 10D

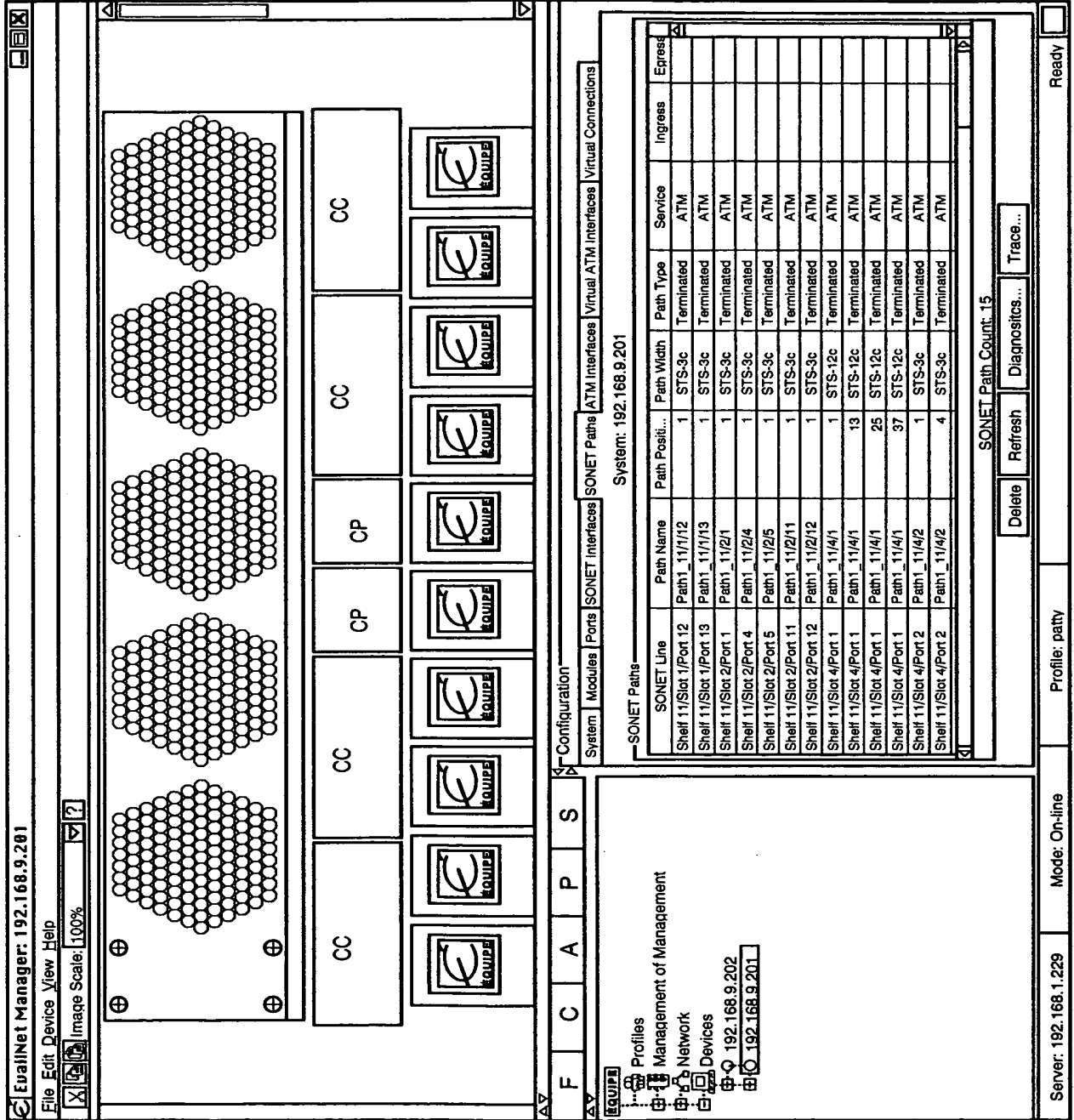


FIG. 10H

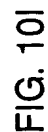


FIG. 11B

10

FROM
FIG. 11B

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Servers

Primary Server: 192.168.1.220

Primary Server Port: 6500

Secondary Server: 192.168.1.221

Secondary Server Port: 6503

Devices

Device	READ	READ/WRITE	Retry	Timeout
192.168.9.202	public	equipe	3	3
192.168.9.205	public	equipe	3	3
192.168.9.216	public	equipe	3	3

Add Delete

OK Cancel

FIG. 11C

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The dialog box has a title bar with standard window controls (minimize, maximize, close). Below the title bar is a tabbed interface with four tabs: "General", "Policies", "Servers", and "Devices". The "Servers" tab is currently selected. The main content area of the "Servers" tab contains four labeled input fields arranged in two pairs. The first pair is for the "Primary Server", with the IP address field containing "192.168.1.220" and the port field containing "6500". The second pair is for the "Secondary Server", with the IP address field containing "192.168.1.205" and the port field containing "6503". At the bottom of the dialog box, there are three buttons: "OK", "Cancel", and a button labeled "908t" with a tilde symbol (~) to its left.

Label	IP Address	Port
Primary Server:	192.168.1.220	6500
Secondary Server:	192.168.1.205	6503

FIG. 11D

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Add

Delete

General		Policies	Servers	Devices	
Device		READ	READWRITE	Retry	Timeout
192.168.9.202	public		equipe	3	162
192.168.9.205	public		equipe	3	162
192.168.9.216	public		equipe	3	5012

▽

908t ~

OK

Cancel

△

FIG. 11E

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General Policies Servers Devices

Username: Kevin

Description: Kevin Snow user account

Customer Name: Equipe

Group Level Access: ☒

Password: *****

Confirm Password: *****

908t ~ OK Cancel

FIG. 11F

FIG. 11G

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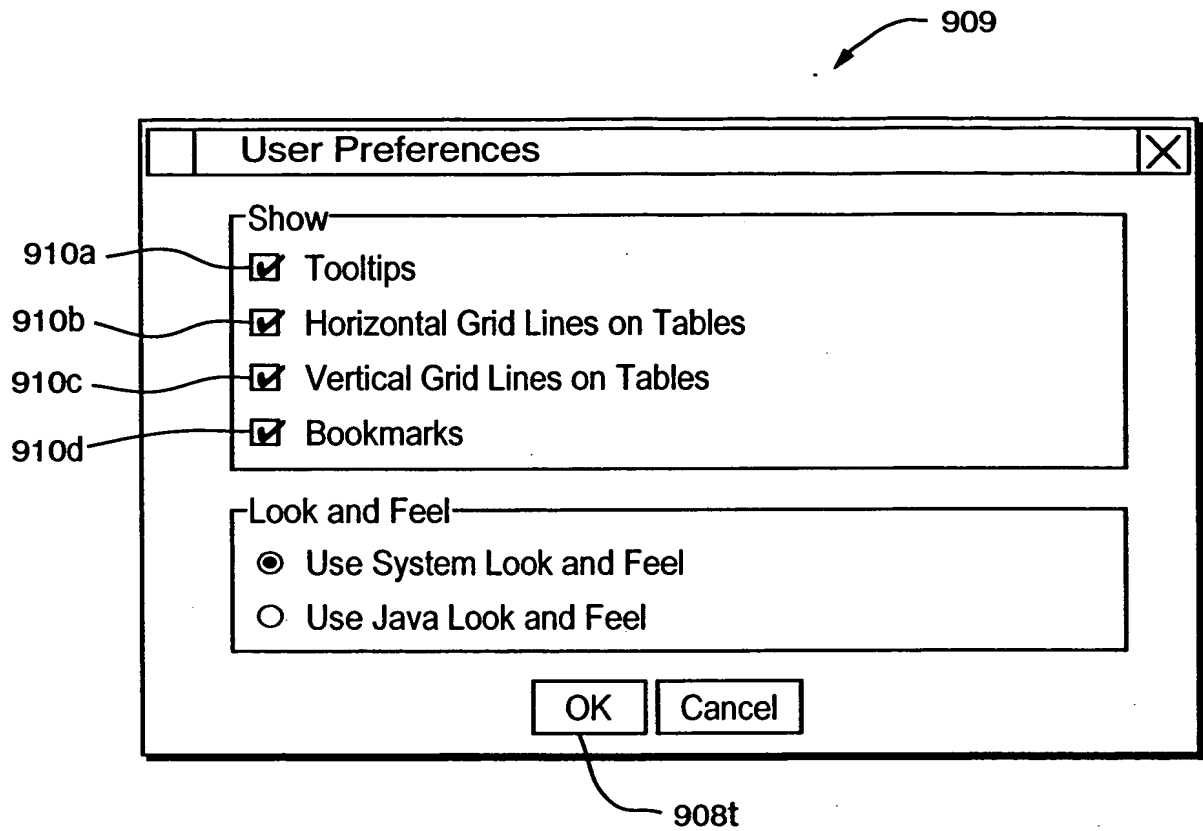


FIG. 11H

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907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: ☒ 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Devices 908j

User Session Timeout: 15 908k Minutes

TO
FIG. 11J

FIG. 11I

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FROM
FIG. 11I

Servers

Primary Server:

Primary Server Port:

Secondary Server:

Secondary Server Port:

192.168.1.220

6500

192.168.1.221

6503

Devices

Device

READ

READ/WRITE

Retry

Timeout

192.168.9.202

public

equipe

3

3

19 Group List

Walmart-East

Walmart-West

Kmart 1

Sears-Northeast

1000a

1000

Add

Delete

FIG. 11J

<div style="border: 1px solid black; padding: 2px; display: inline-block;"> EvaiNet Manager: SONET Path Configuration - 11/8/5 </div>																	
System: 192.168.9.201																	
<div style="border: 1px solid black; padding: 5px;"> SONET Line <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div>Slot <input style="width: 40px;" type="text" value="8"/></div> <div>Port <input style="width: 40px;" type="text" value="5"/></div> <div>Type <input style="width: 60px;" type="text" value="OC12"/></div> </div> </div>	<div style="border: 1px solid black; padding: 5px;"> SONET Path Wizard <div style="margin-top: 10px;"> <input checked="" type="radio"/> Configure a single concatenated path (STS-12c) <input type="radio"/> Configure <input type="radio"/> Custom Configuration </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>4</div> <div> <input style="width: 100px;" type="text" value="STS-3c"/> <input style="width: 40px;" type="button" value="▽"/> </div> <div>paths</div> </div> </div>																
<div style="border: 1px solid black; padding: 5px;"> Path Table <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>SONET Line</th> <th>Path Name</th> <th>Path Posit.</th> <th>Path Wi.</th> <th>Path Ty.</th> <th>Servi.</th> <th>Ingress Conne.</th> <th>Egress Conne.</th> </tr> </thead> <tbody> <tr> <td>11/8/5</td> <td>Path1_11/...</td> <td>1</td> <td>STS-12c</td> <td>Termin.</td> <td>ATM</td> <td></td> <td></td> </tr> </tbody> </table> <div style="text-align: right; margin-top: 10px;"> <input style="width: 60px;" type="button" value="Modify"/> </div> </div>		SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.	11/8/5	Path1_11/...	1	STS-12c	Termin.	ATM		
SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.										
11/8/5	Path1_11/...	1	STS-12c	Termin.	ATM												
<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <div> Graphical Representation <div style="display: flex; justify-content: space-between; width: 100%;"> <div>Position</div> <div>Width</div> </div> <div style="border: 1px solid black; height: 100px; position: relative; margin-top: 5px;"> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-weight: bold;">1</div> <div style="position: absolute; bottom: 5px; right: 5px; font-weight: bold;">STS-12c</div> </div> </div> </div> </div>																	
<div style="display: flex; justify-content: space-around; align-items: center;"> <div> 1002d ~ <input style="width: 60px;" type="button" value="OK"/> </div> <div> 1002e ~ <input style="width: 60px;" type="button" value="Modify"/> </div> <div> 1002b ~ <input style="width: 60px;" type="button" value="Cancel"/> </div> </div> <div style="text-align: right; margin-top: 10px;"> 1002c ~ <input style="width: 60px;" type="button" value="Group Name:"/> </div>																	

FIG. 11K

EvailNet Manager: SONET Path Configuration - 11/8/5

System: 192.168.9.201

SONET Line

Slot 8 Port 5 Type OC12

SONET Path Wizard

☒ Configure ☐ paths ☐ Custom Configuration

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/8/5	Path1_11/8/5	1	STS-3c	Termin.	ATM		
11/8/5	Path2_11/8/5	4	STS-3c	Termin.	ATM		
11/8/5	Path3_11/8/5	7	STS-3c	Termin.	ATM		
11/8/5	Path4_11/8/5	10	STS-3c	Termin.	ATM		

Modify

OK Cancel

Group Name:

Graphical Representation

Position Width

1 4 7 10

STS-3c STS-3c STS-3c STS-3c

FIG. 11L

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1002

☒ Evainet Manager: SONET Path Configuration - 11/8/5

System: 192.168.9.201

SONET Line

Slot Port Type

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☐ Configure

☒ Custom Configuration

Functions

Available SONET Paths

Add> <Remove <<Clear

Allocated SONET Paths

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/8/5	Path1_11/8/5	1	STS-3c	Terminated	ATM		
11/8/5	Path2_11/8/5	4	STS-3c	Terminated	ATM		
11/8/5	Path3_11/8/5	7		Terminated	ATM		

1002e Modify

Graphical Representation

Position Width

1 4

STS-3c STS-3c

1002a 1002b 1002c

Group Name

1002d OK Cancel

FIG. 11M

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MANAGED RESOURCE GROUP TABLE 1008

1008a	1008b		1008c
	LID	MANAGED DEVICE PID	
	1145	1	1008d
	⋮	⋮	⋮

FIG. 11N

MANAGED RESOURCE TABLE 1007

1007a	1007b		1007c
	LID	RESOURCE LID	
	4443	901	1145
	⋮	⋮	⋮

FIG. 11O

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Add V-ATM Interface - 192.168.9.201 [X]

Shelf/Slot/Port: 11/4/2 Path Name: Path2_11/4/2

Virtual ATM Interface Parameters

Name (Alias):	<input type="text"/>
Connection Type:	Direct Link <input type="button" value="v"/>
Version:	UNI Network 3.1 <input type="button" value="v"/>
Admin. Status:	Up <input type="button" value="v"/>
Group Name:	<input type="text"/> <input type="button" value="v"/>

OK Cancel

1004

1004a

1004b

1004c

FIG. 11P

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1006

EvailNet Manager: 192.168.9.201-Virtual Connection Wizard

Source: 192.168.9.201 Destination: 192.168.9.201

End Point 1

192.168.9.201
+ Shelf 11
+ Slot 1
+ Slot 2
+ Slot 3
- Slot 4
- Port 1
+ Port 2
- ATM-Path2_11/4/2

End Point 1

192.168.9.201
+ Shelf 11
- Shelf 13

Connection Parameters

Connection Name:

Admin Status: Up 1006b

Group Name: Group List

End Point 1 Parameters:

VPI: ☐ Use Any VPI Value

VCI: ☐ Use Any VCI Value

Transmit Traffic Descriptor: Add Traffic Descriptor...

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters:

VPI: ☐ Use Any VPI Value

VCI: ☐ Use Any VCI Value

Transmit Traffic Descriptor: Add Traffic Descriptors...

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive

1006c

1006a

FIG. 11Q

USER TABLE 1010.

		1010b	1010c	1010d	
1010a	LID	USERNAME	PASSWORD	GROUP LEVEL ACCESS	1010e
	2012	DAVE	MARBLE	PROVISIONER	
	:	:	:		

FIG. 11R

USER MANAGED DEVICE TABLE 1012

		1012b	1012c	1012d	1012e
1012a	LID	USER LID	HOST LID	RETRY	TIMEOUT
	7892	2012	9046		
	:	:	:	:	:

FIG. 11S

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ADMINISTRATION MANAGED DEVICE TABLE 1014

LID	HOST ADDRESS	PORT ADDRESS	RETRY	TIMEOUT	ADMIN. PASSWORD	PROV. PASSWORD	VIEWER PASSWORD
9046	192.168.9.202	1521			TEAM 1	TEAM 2	TEAM 3
.
.
.

FIG. 11T

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1013

ADD DELETE DEVICE Dig X

1013a — DEVICE HOST: 192.168.1.202
1013b — DEVICE PORT: 1521
1013c — SNMP RETRY:
1013d — SNMP TIMEOUT:
1013e — ADMIN. PASSWORD:
1013f — PROV. PASSWORD:
1013g — VIEWER PASSWORD:

1013h — ADD

OK CANCEL DELETE

1013i —

FIG. 11U

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USER RESOURCE GROUP MAP TABLE 1016

1016a	1016b		1016c
	LID	USER LID	USER RESOURCE GROUP LID
	8086	2012	1024
	⋮	⋮	⋮

FIG. 11V

USER RESOURCE GROUP TABLE 1018

1018a	1018b		1018c
	LID	HOST LID	GROUP NAME
1018d	1024	9046	WALMART-EAST
	⋮	⋮	⋮

FIG. 11W

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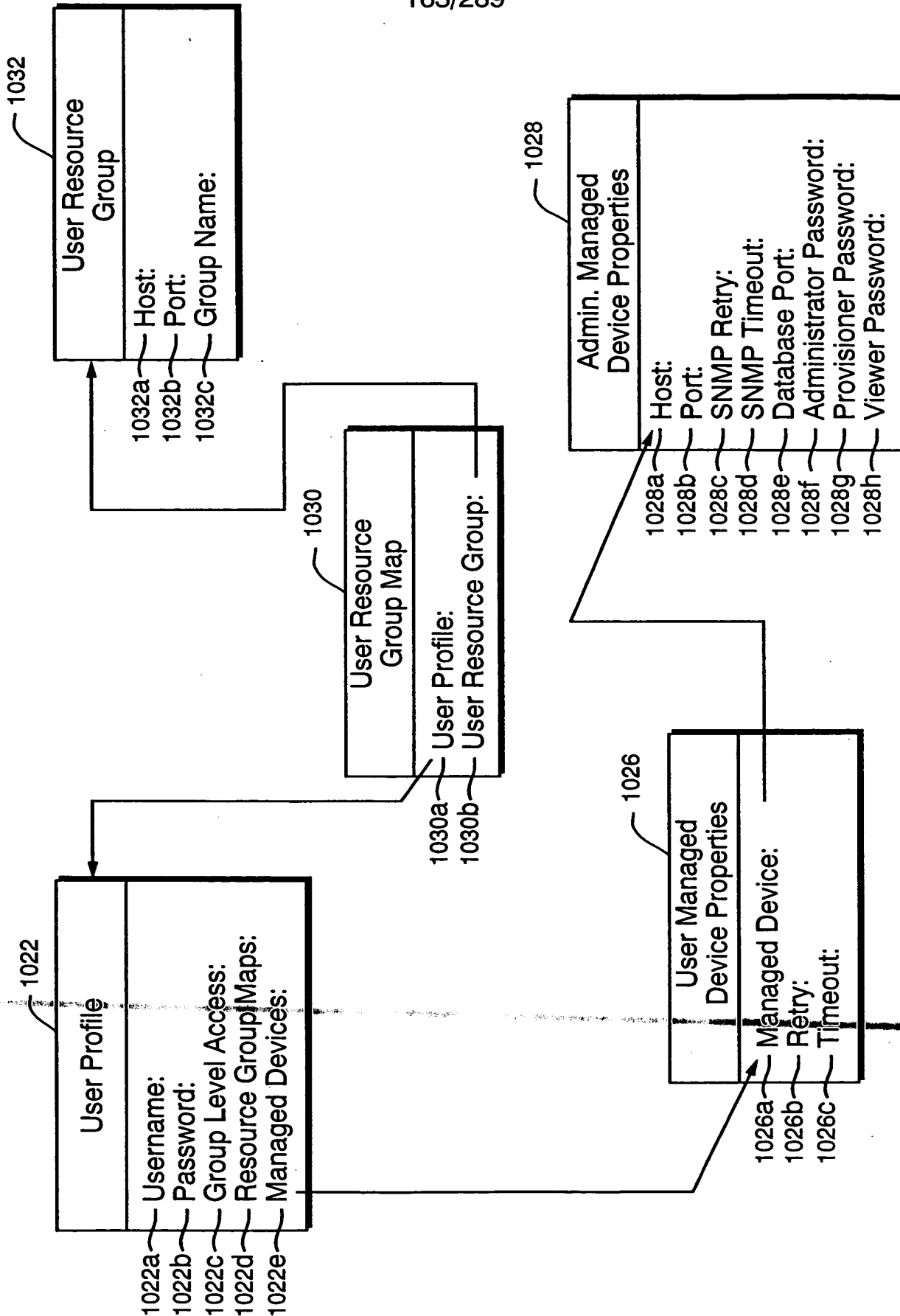


FIG. 11X

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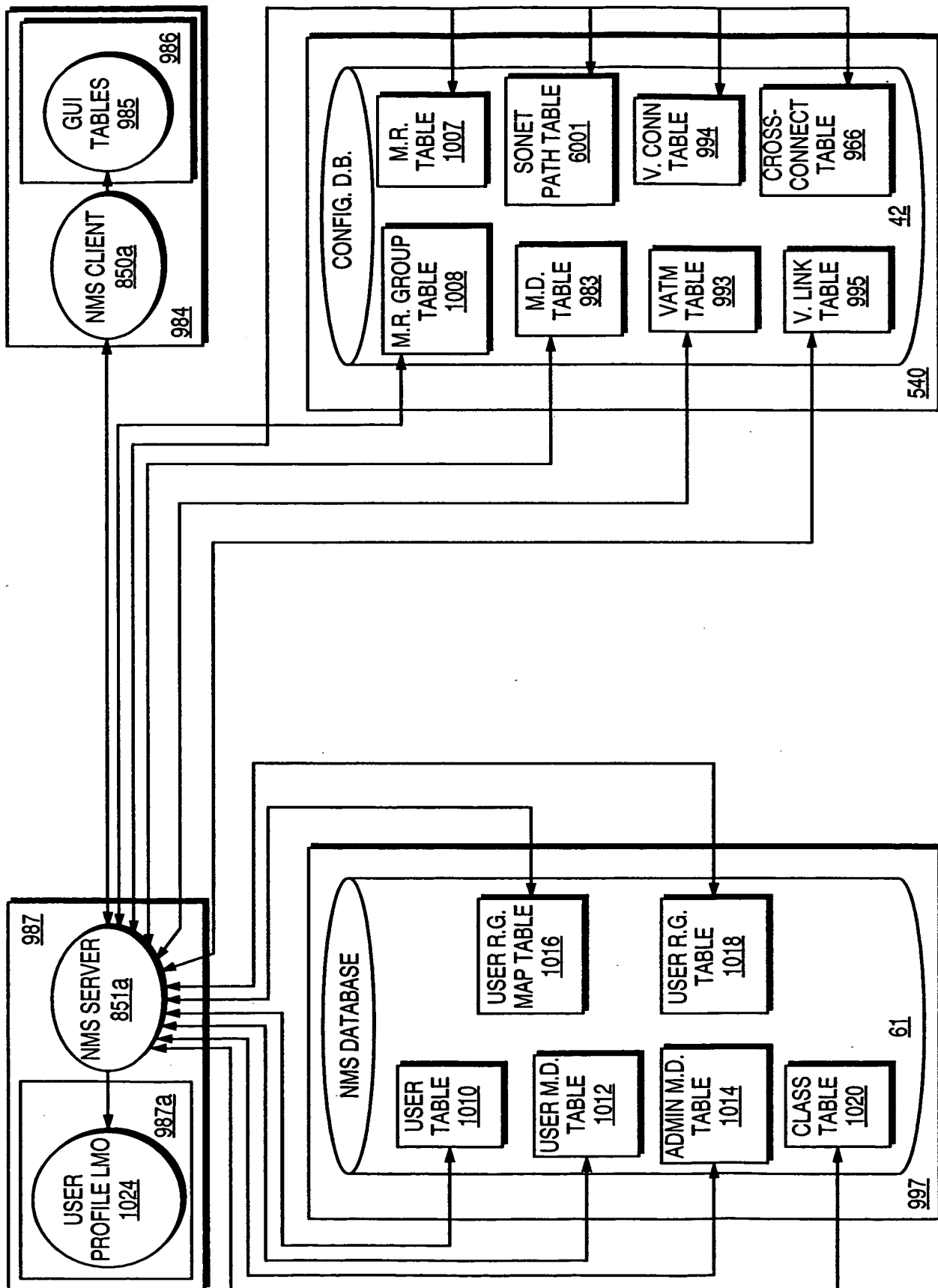


FIG. 11Y

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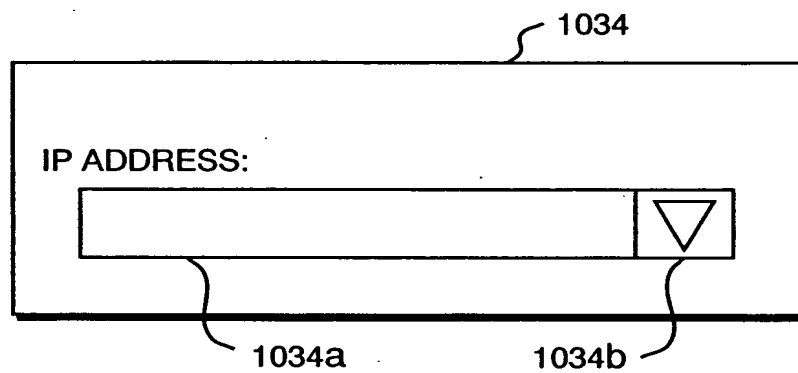
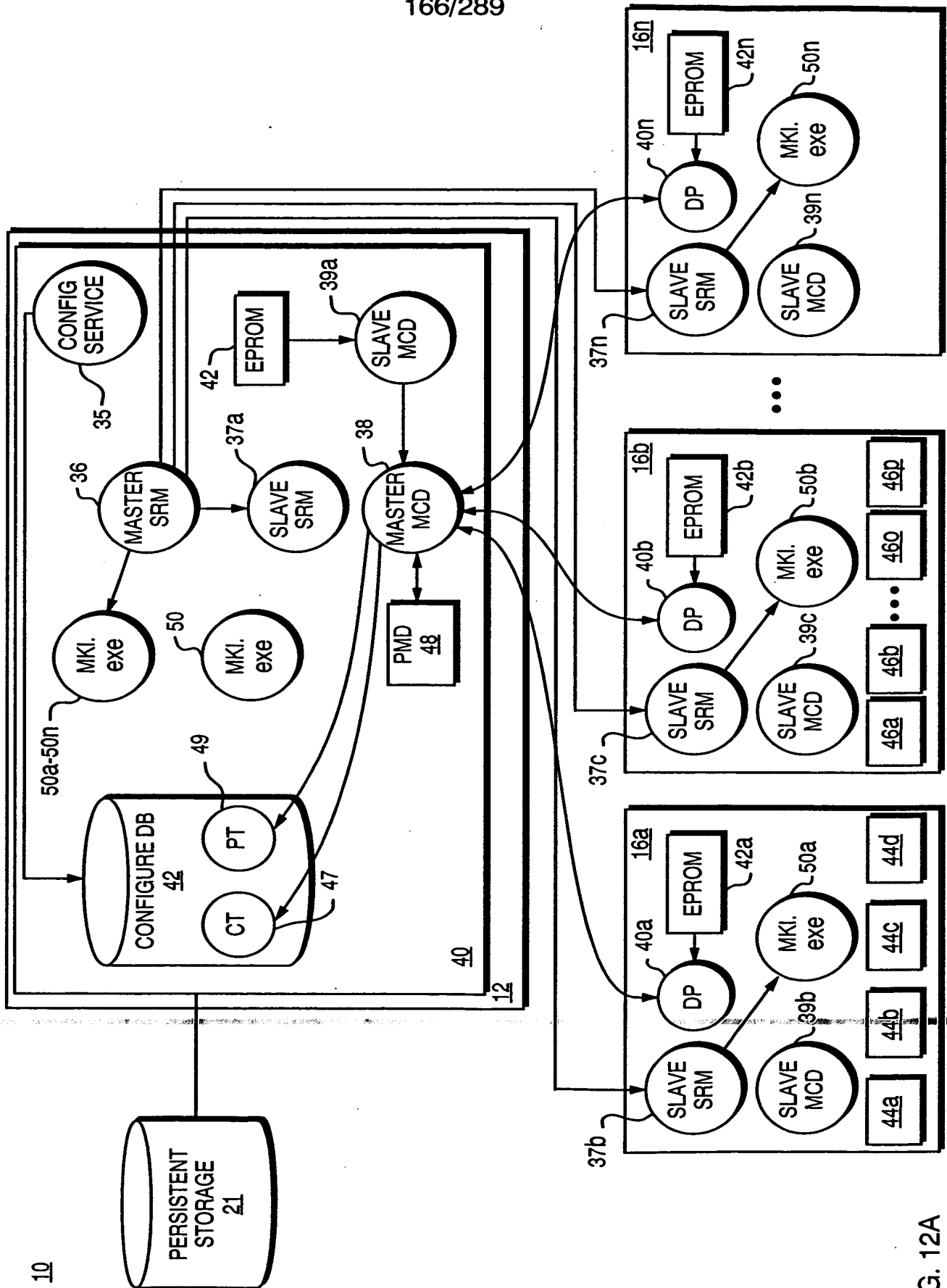


FIG. 11Z

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CARD TABLE 47

FIG. 12B

FIG. 12B



44a ~
44b ~
44c ~
44d ~
44a ~

46a ~

FIG. 12C

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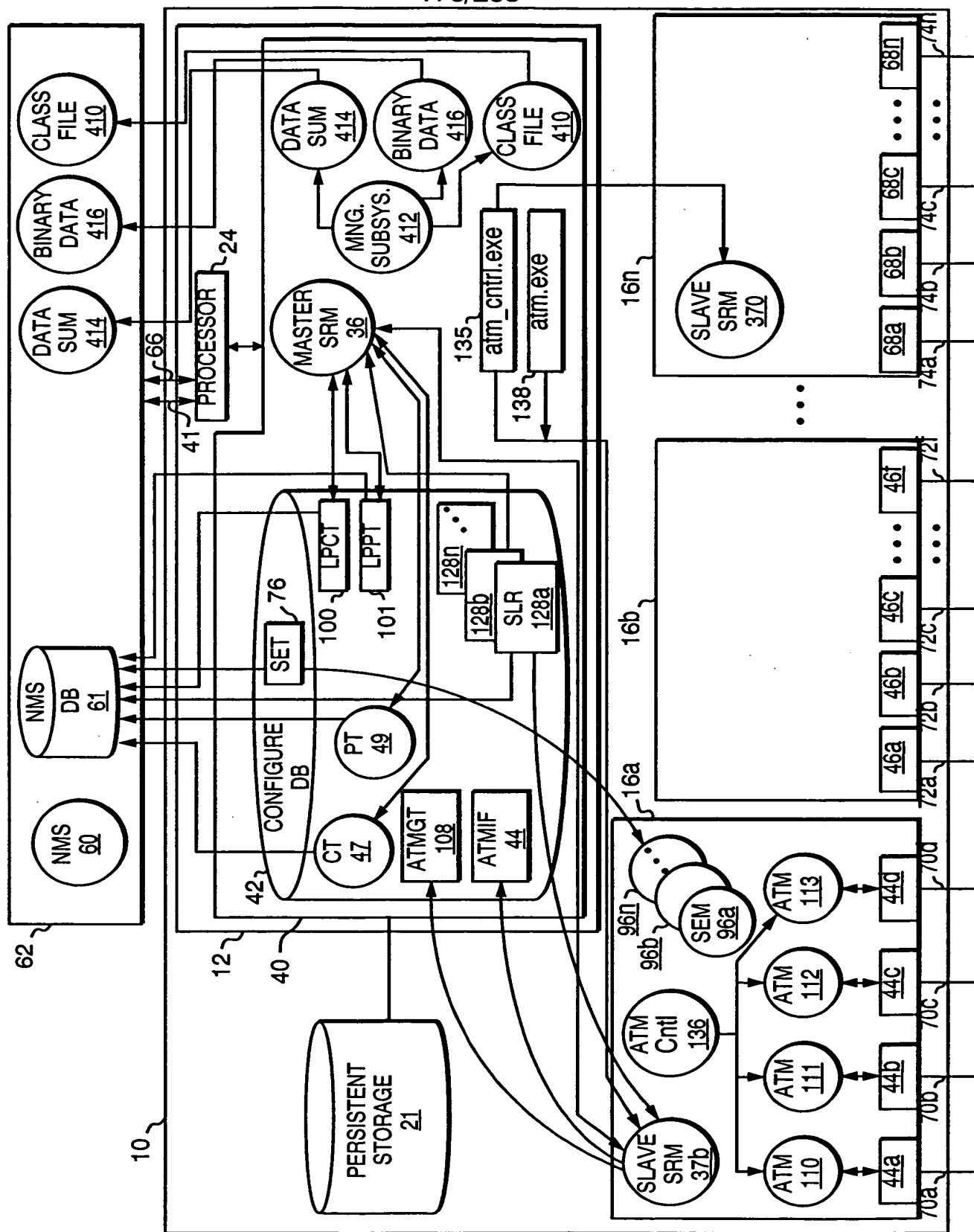


FIG. 13B

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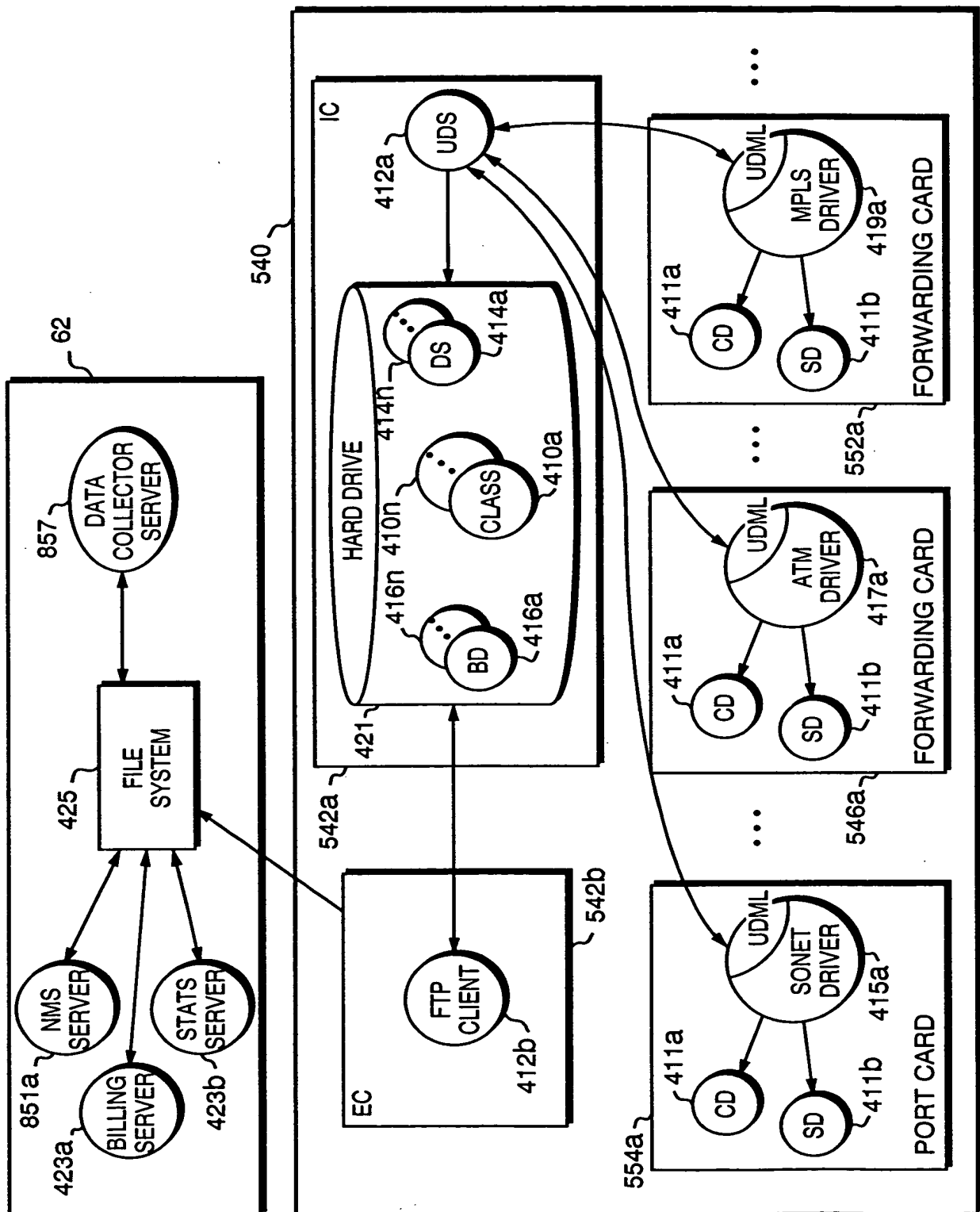


FIG. 13C

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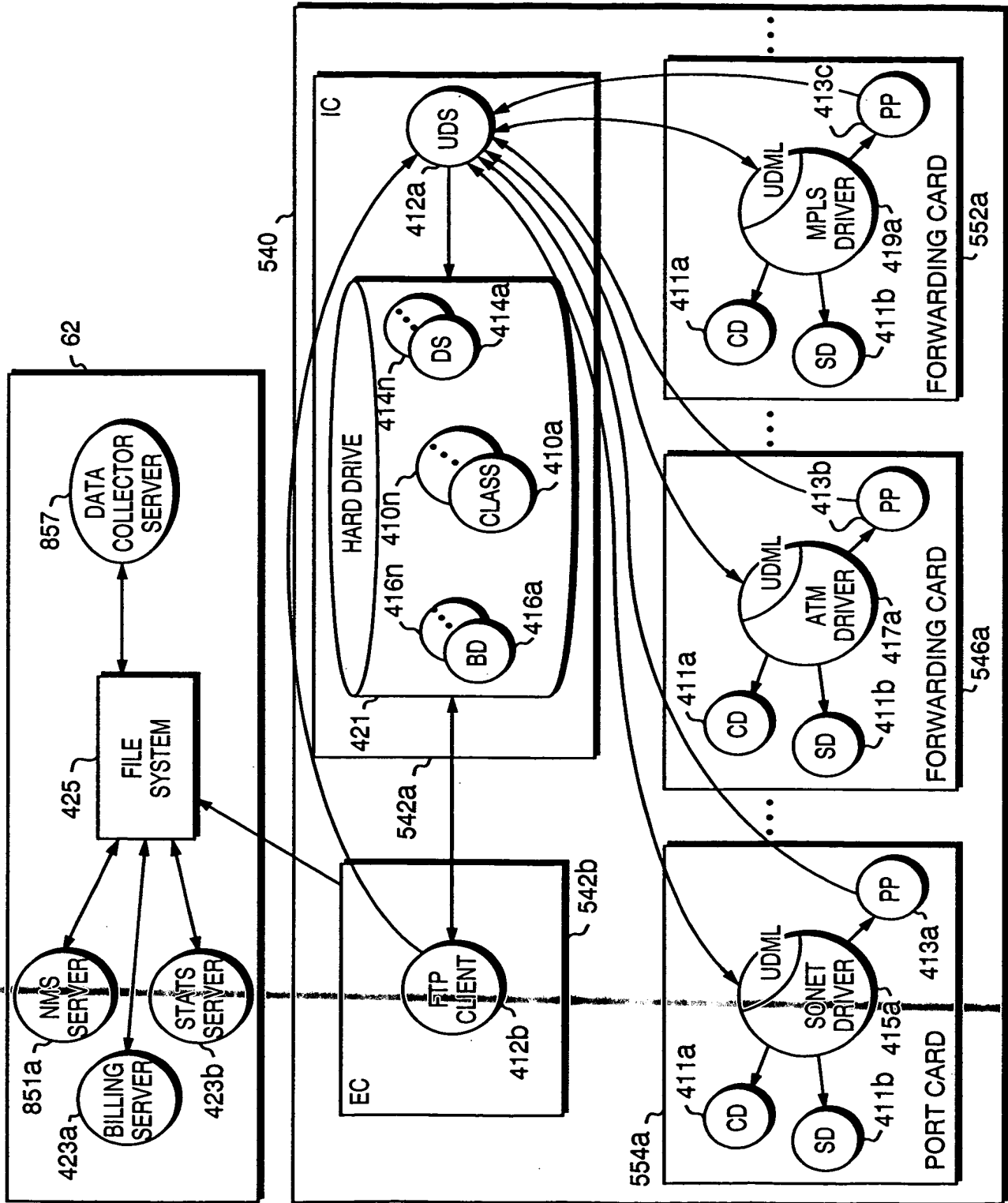


FIG. 13D

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SERVICE ENDPOINT TABLE 76

	SERVICE ENDPOINT #	PORT PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	•	•
	•	•
	•	•

FIG. 14A

LOGICAL TO PHYSICAL CARD TABLE 100

	98 LID	102 PRIMARY PID	104 BACK-UP PID
106	30	500	513
109	31	501	513
	•	•	•
	•	•	•
	•	•	•

FIG. 14B

LOGICAL TO PHYSICAL PORT TABLE 101

	98 LID	102 PRIMARY PID	104 BACK-UP PID
107	40	1500	1600
	•	•	•
	•	•	•
	•	•	•

FIG. 14C

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ATM GROUP TABLE 108

GROUP #	CARD LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 14D

ATM INTERFACE TABLE 114

ATM IF	ATM GROUP	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
.	.	.	.
.	.	.	.
.	.	.	.
12	3	10	
.	.	.	.
.	.	.	.

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FIG. 14E

SOFTWARE LOAD RECORD 128a

130	CONTROL SHIM	LID	132
134	atm-cntl.exe	30	

FIG. 14F

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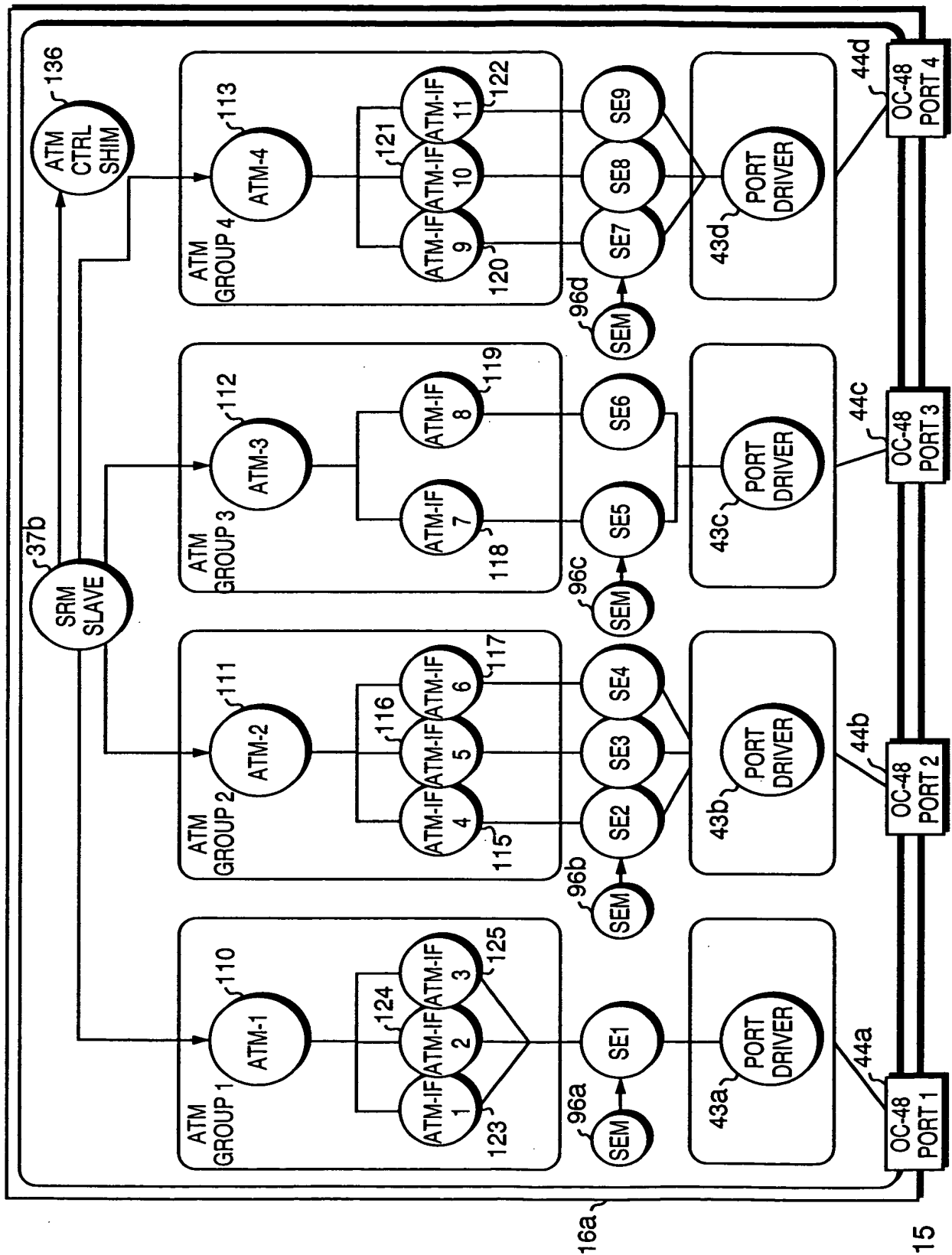


FIG. 15

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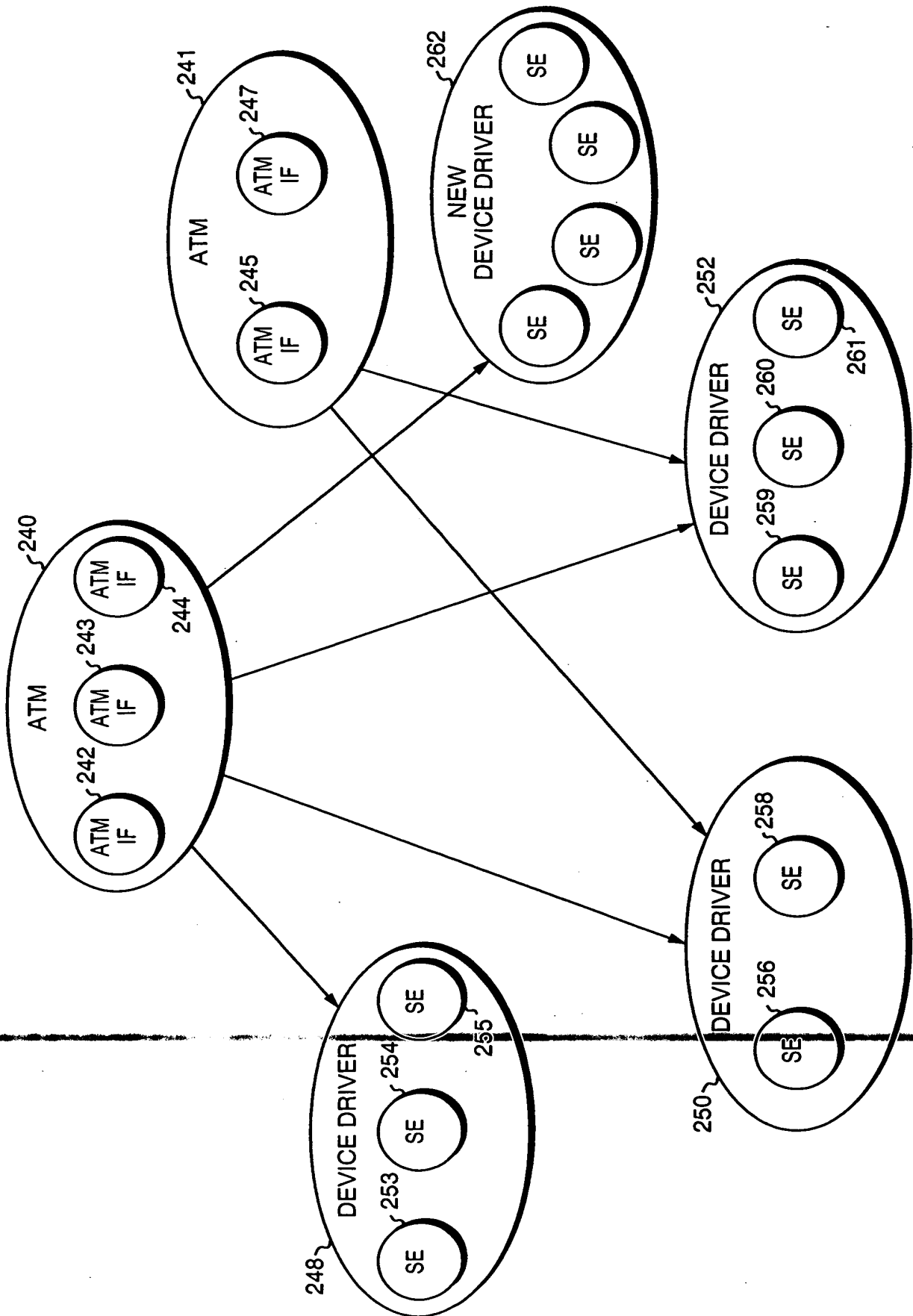


FIG. 16A

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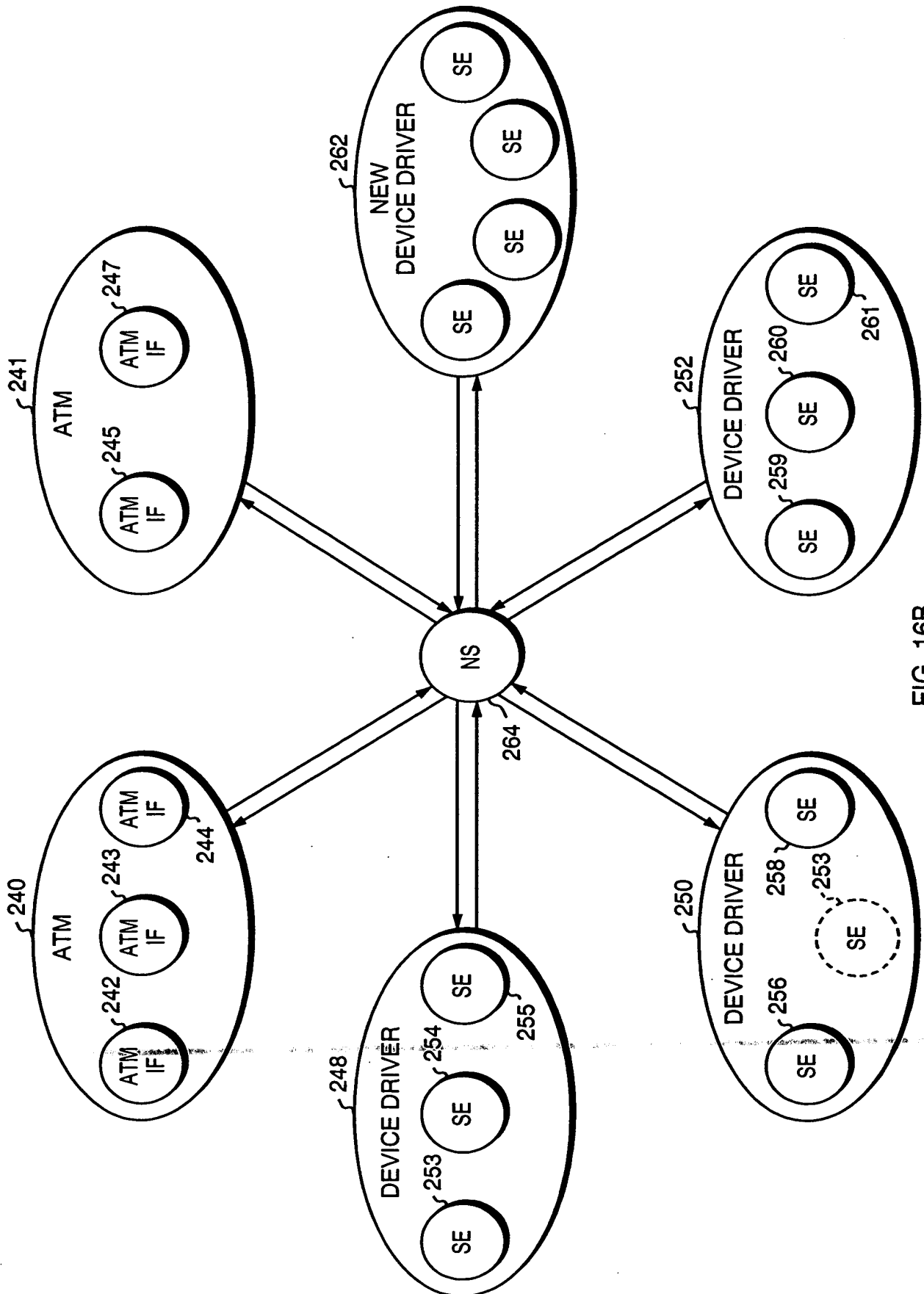


FIG. 16B

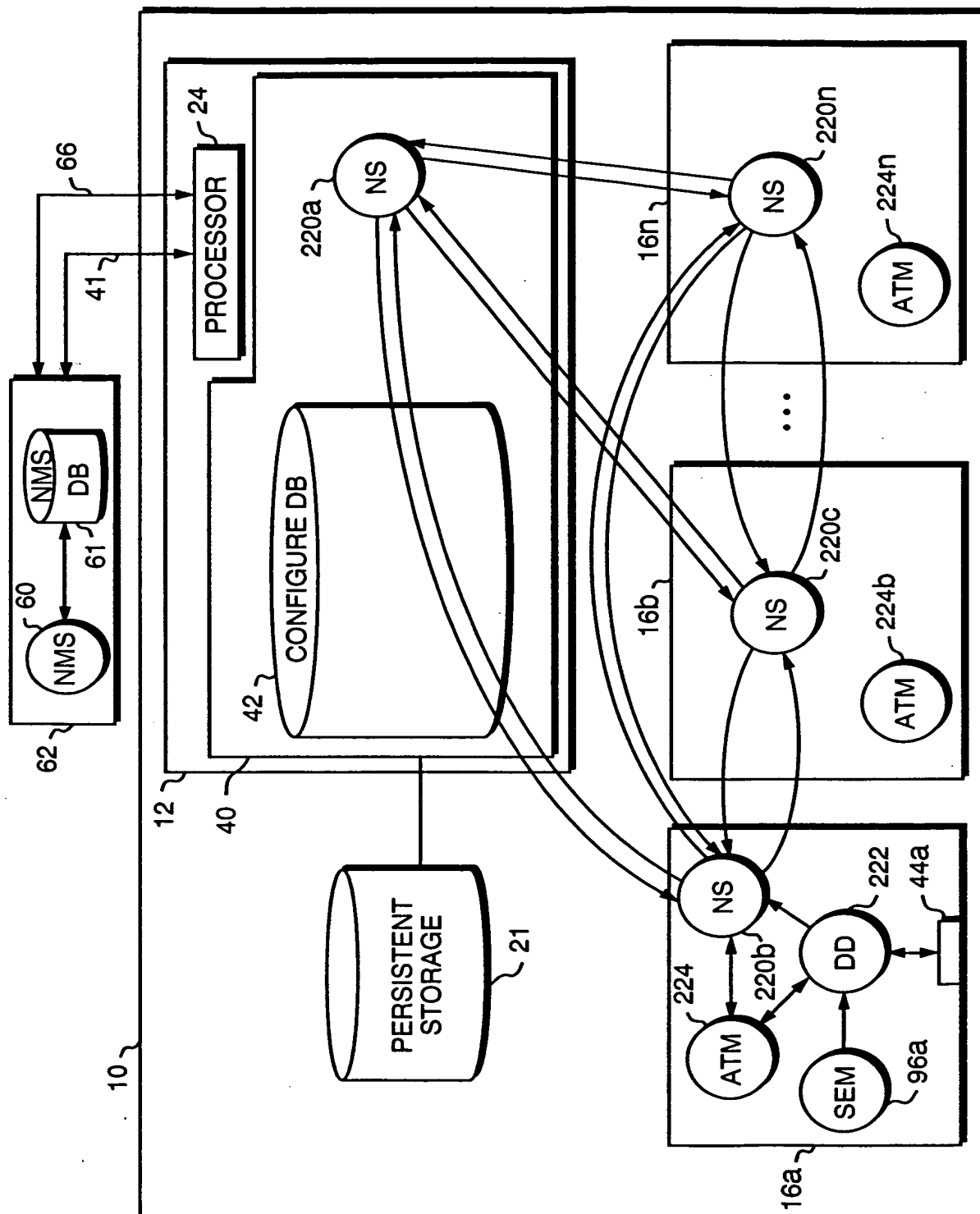


FIG. 16C

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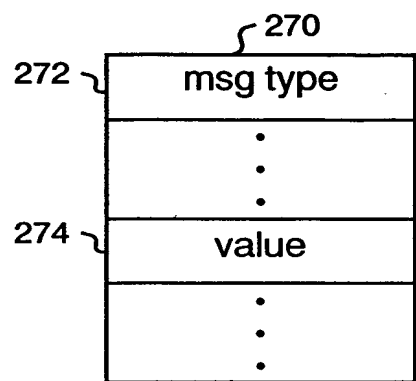


FIG. 16D

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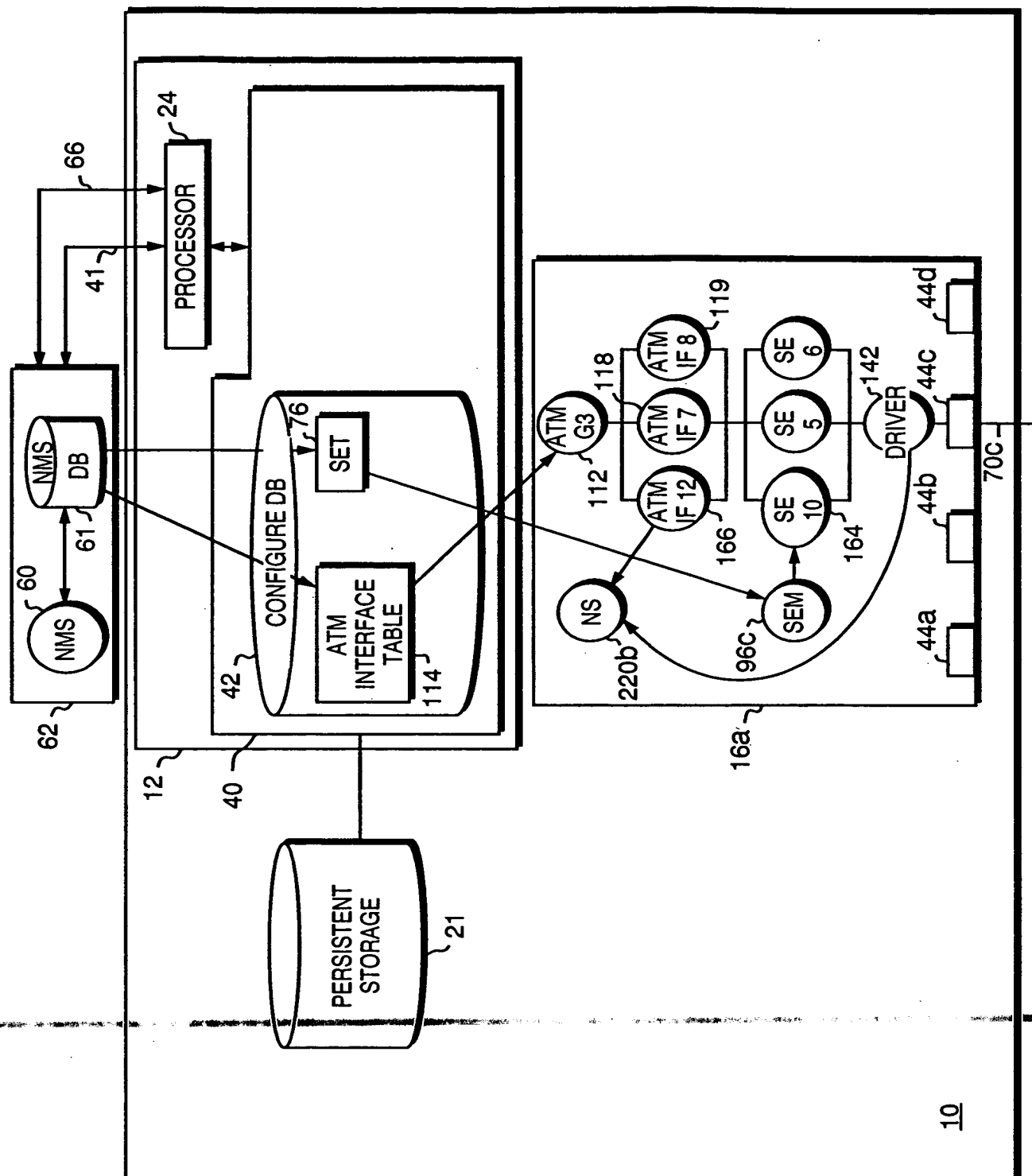
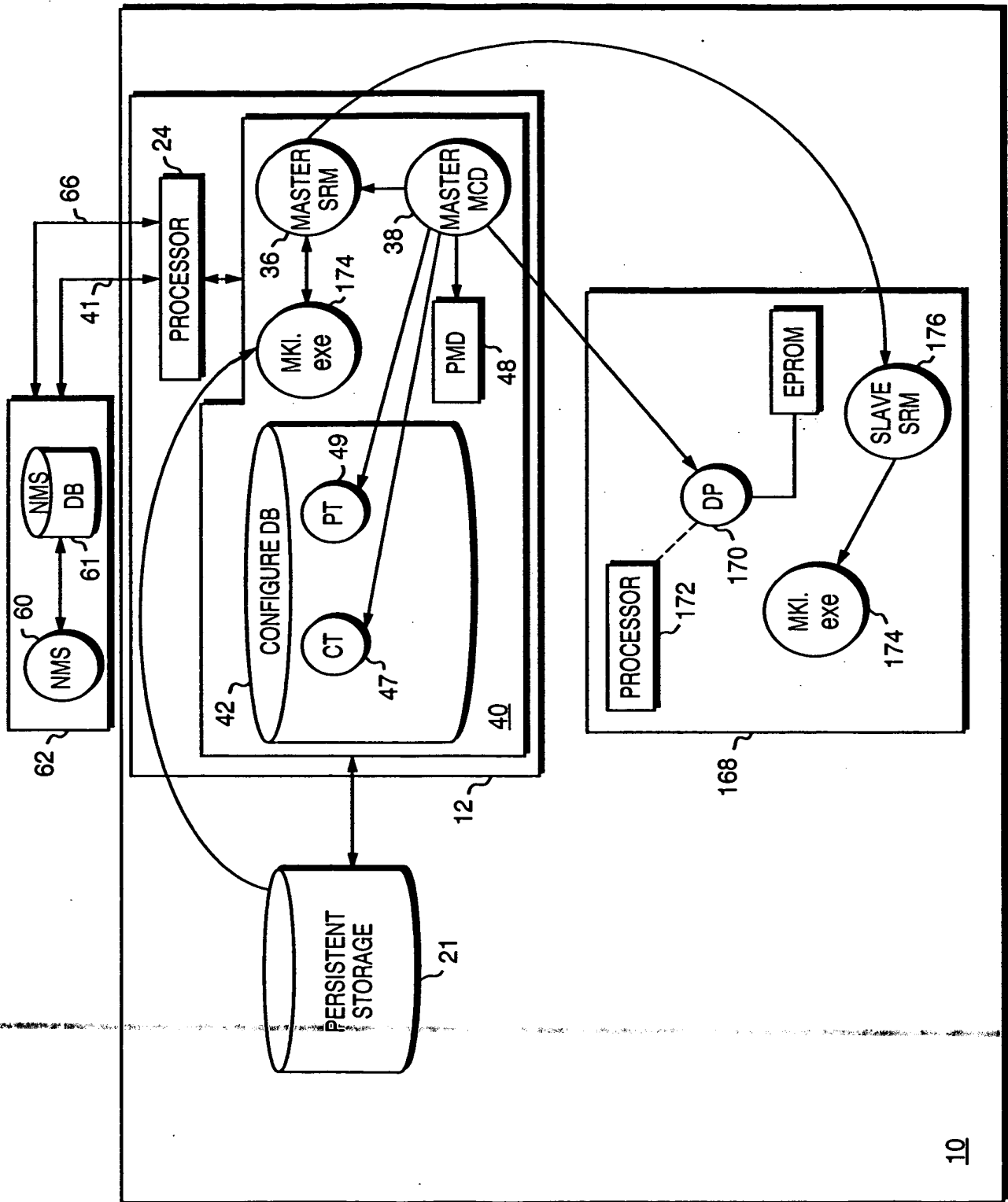


FIG. 17

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FIG. 18

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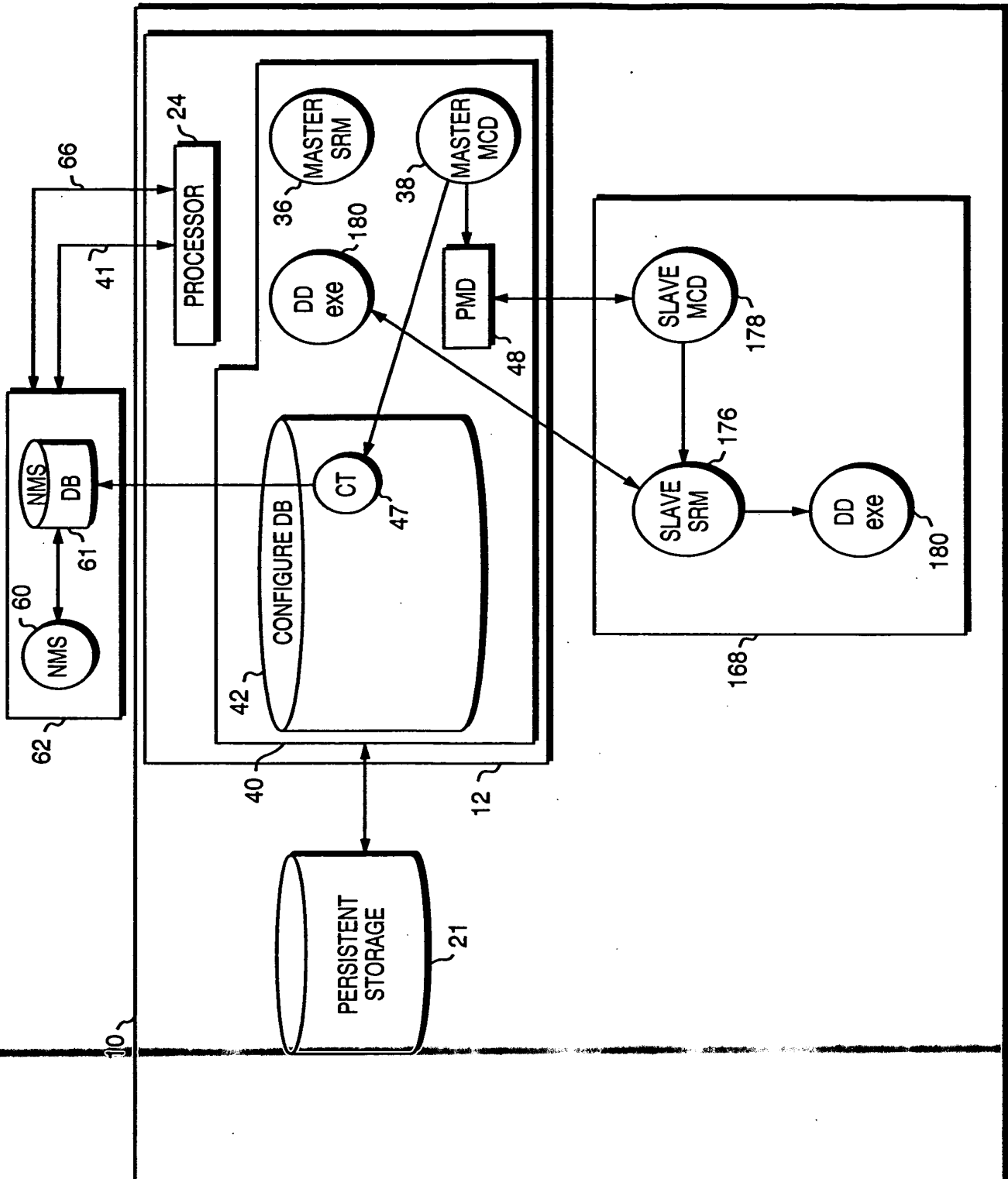


FIG. 19

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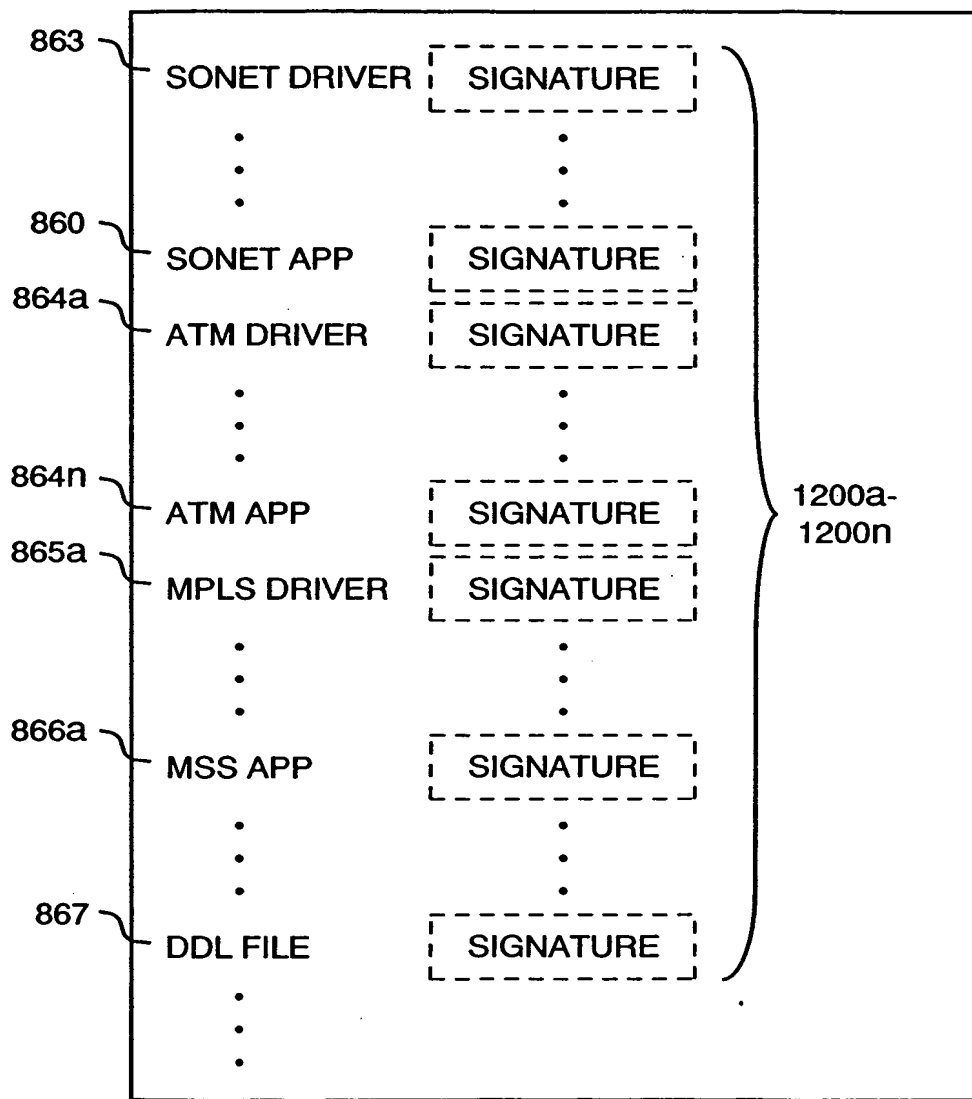
PACKAGING LIST 1200

FIG. 20A

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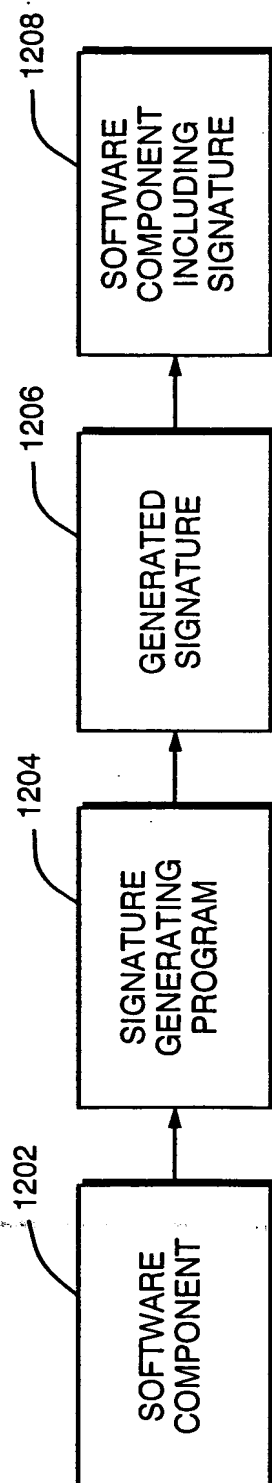


FIG. 20B

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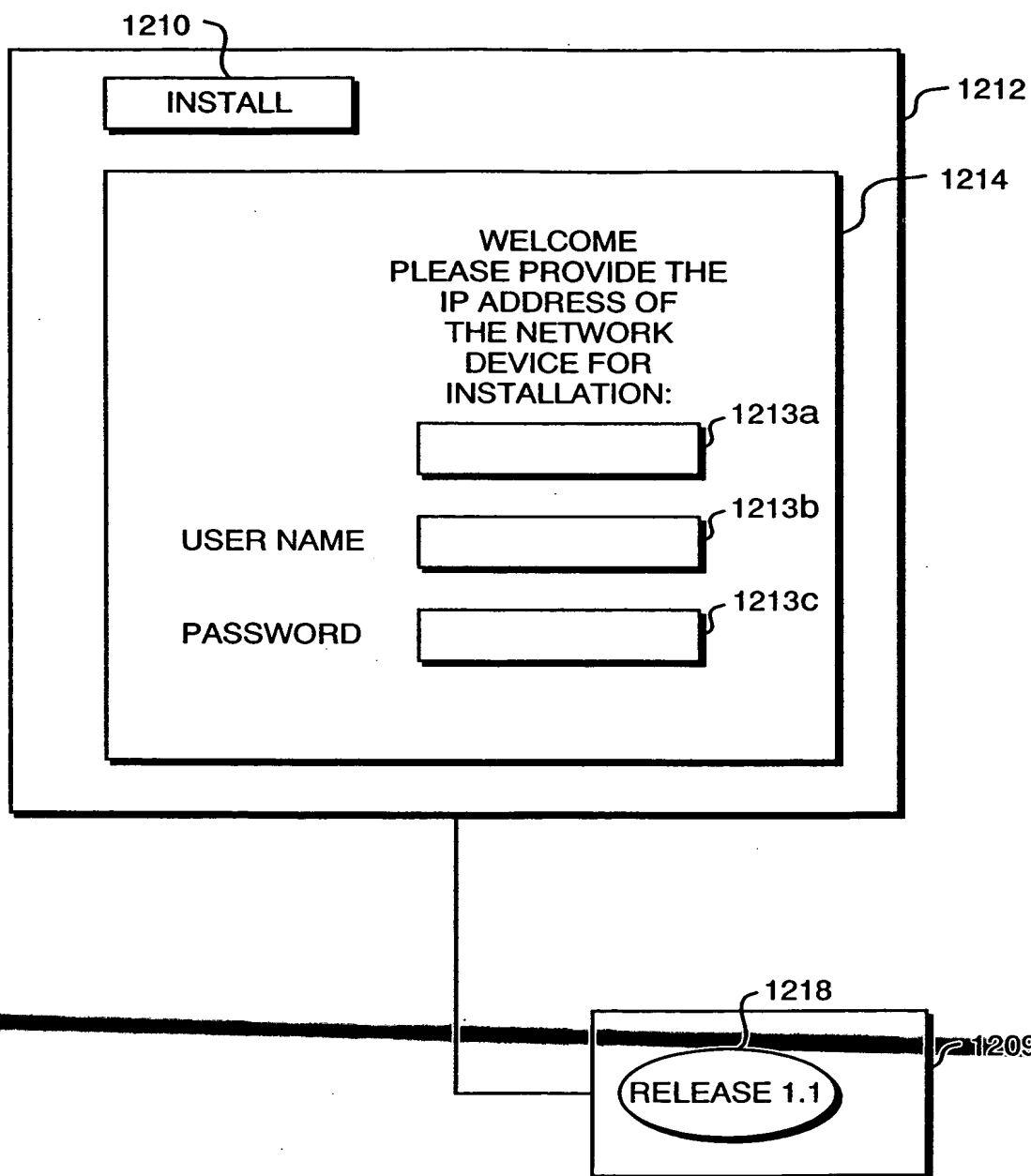


FIG. 20C

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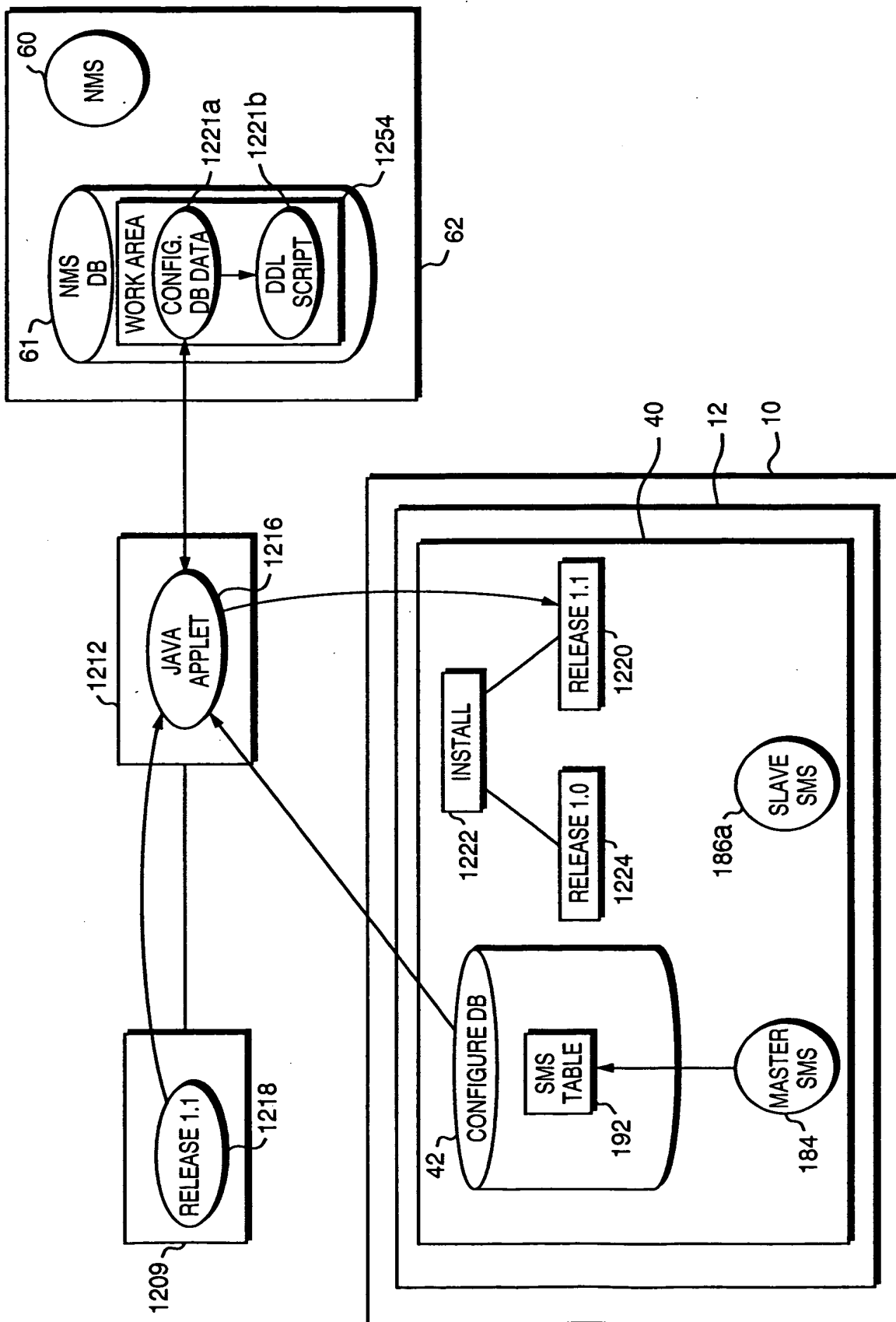


FIG. 20D

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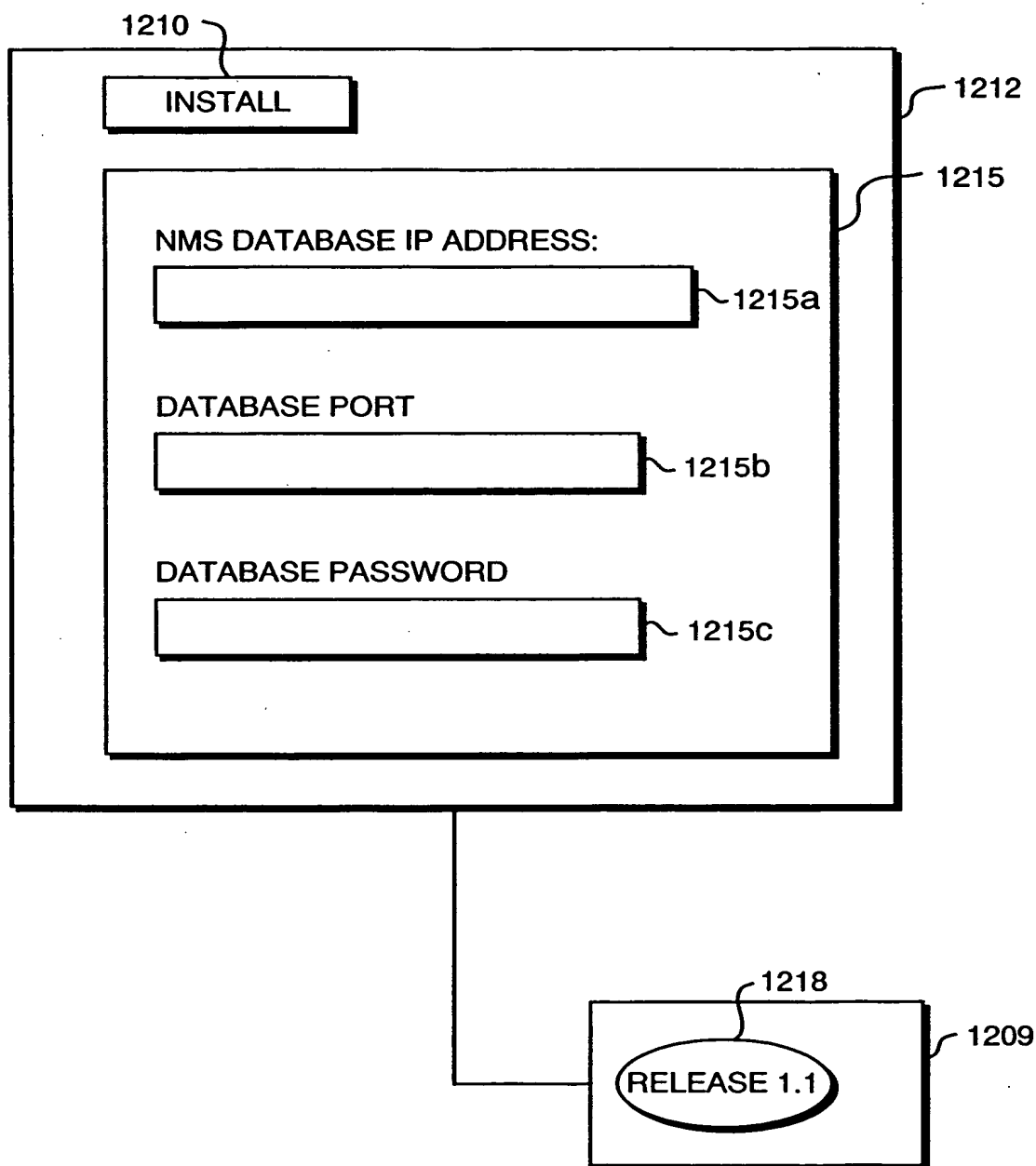


FIG. 20E

1227 ~

FIG. 21B

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The diagram shows a vertical list of items enclosed in a rectangular border. The list contains three entries: 'AVAILABLE RELEASES' at the top, 'RELEASE 1.0' in the middle, and 'RELEASE 1.1' at the bottom. A label '1230' with a curved arrow points to the left side of the list container. A label '1232' with a curved arrow points to the top-right corner of the list container.

AVAILABLE RELEASES
RELEASE 1.0
RELEASE 1.1

FIG. 21C

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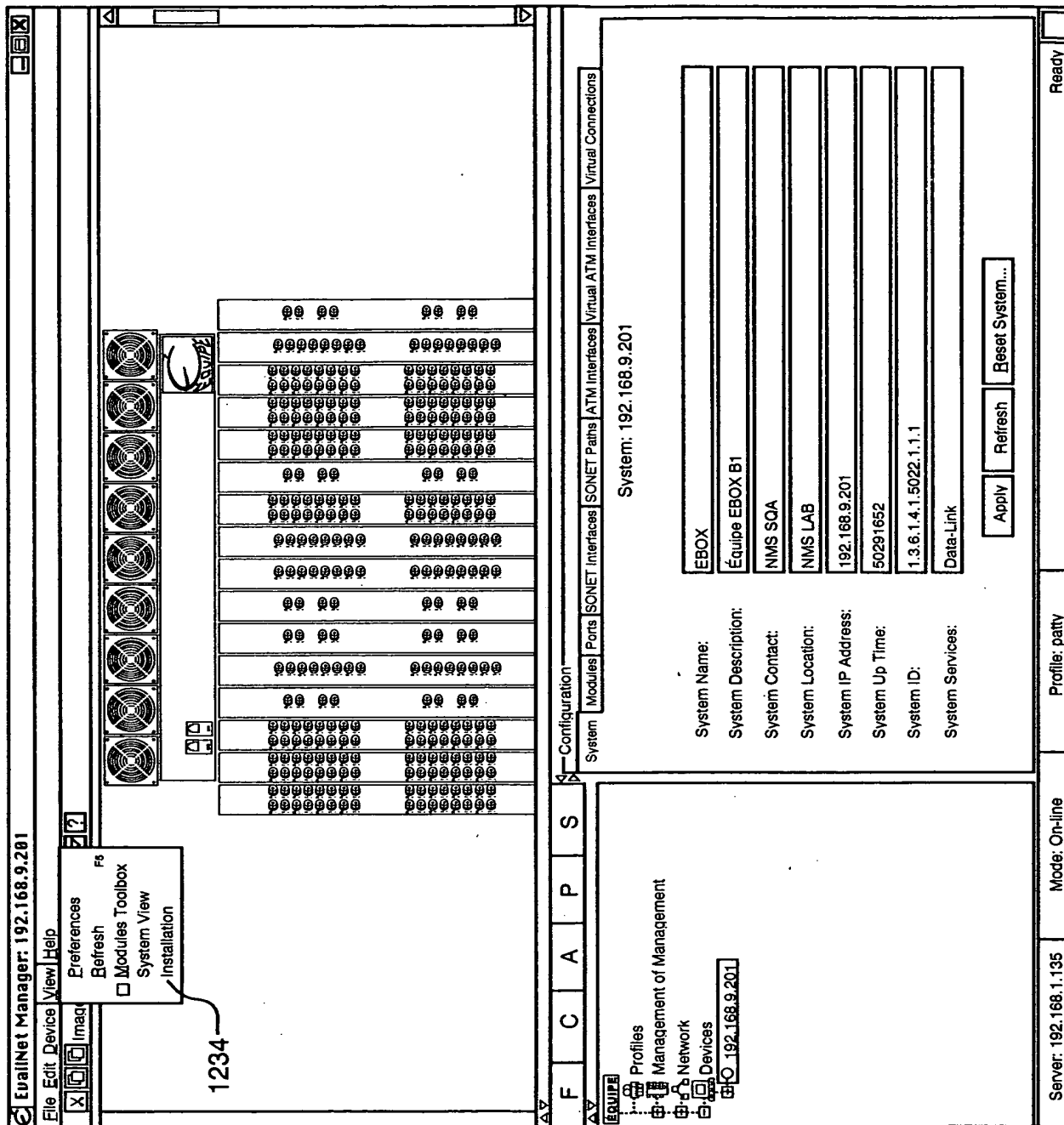


FIG. 21D

IMAGE CONTROL

- 1236

UPGRADE MODE

1242

1249

FIG. 21F

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UPGRADE CONTROL TABLE 1248

		1252	1253	1255	
1250	IMAGE LID	COMMAND	TIME FOR INSTALLATION	STATUS	...
1251	9623	X2344			...
	⋮	⋮	⋮	⋮	⋮

FIG. 21G

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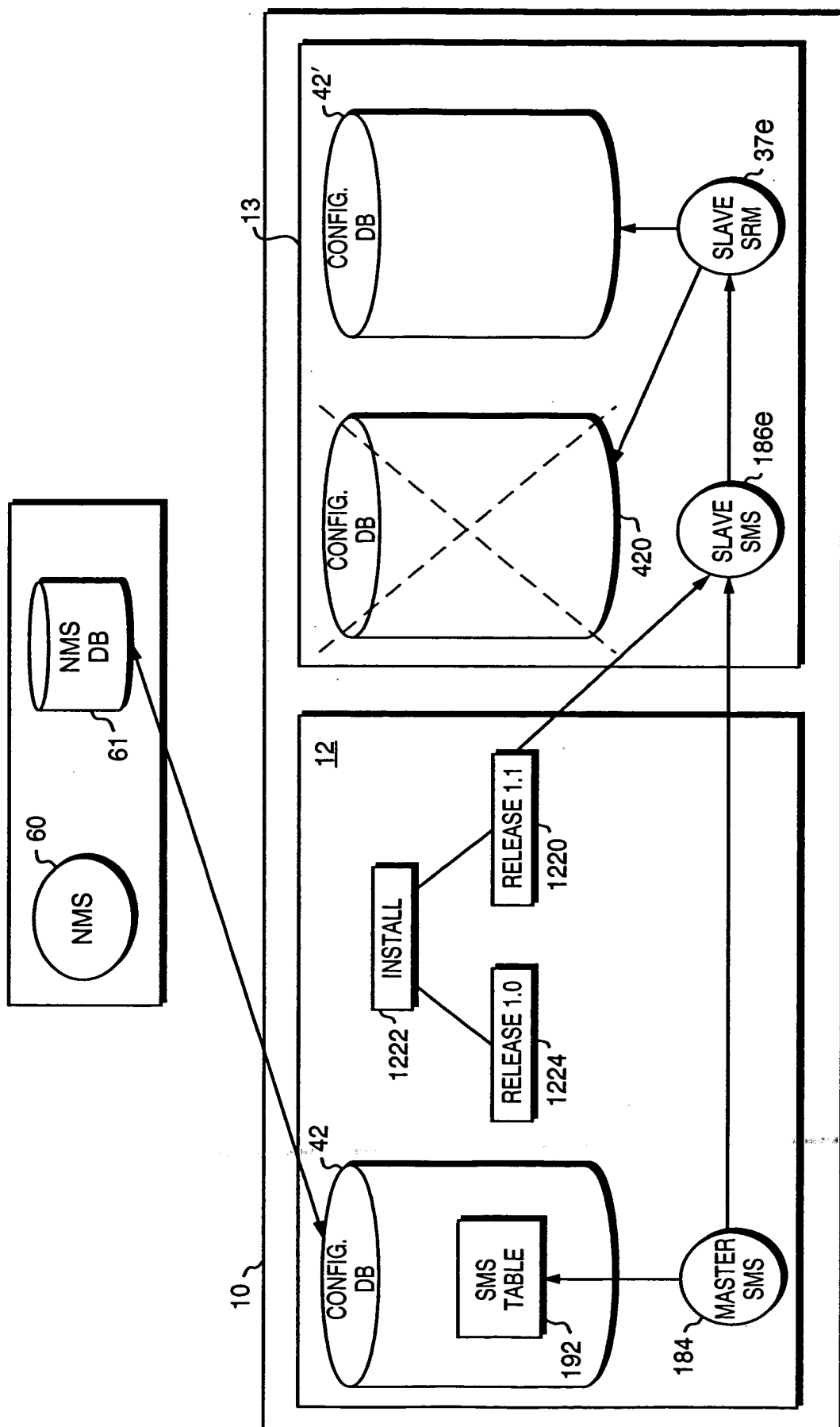


FIG. 22

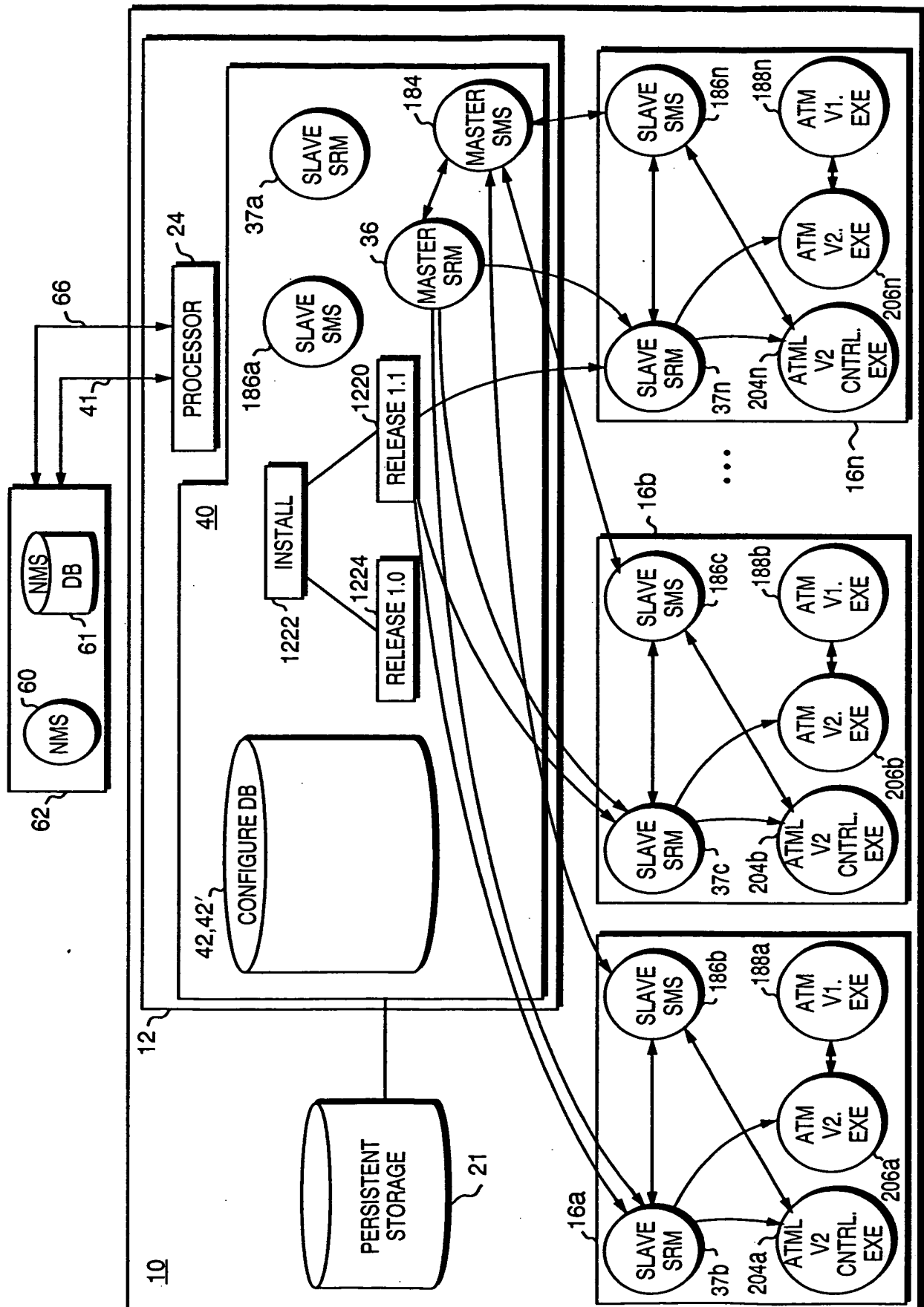


FIG. 23

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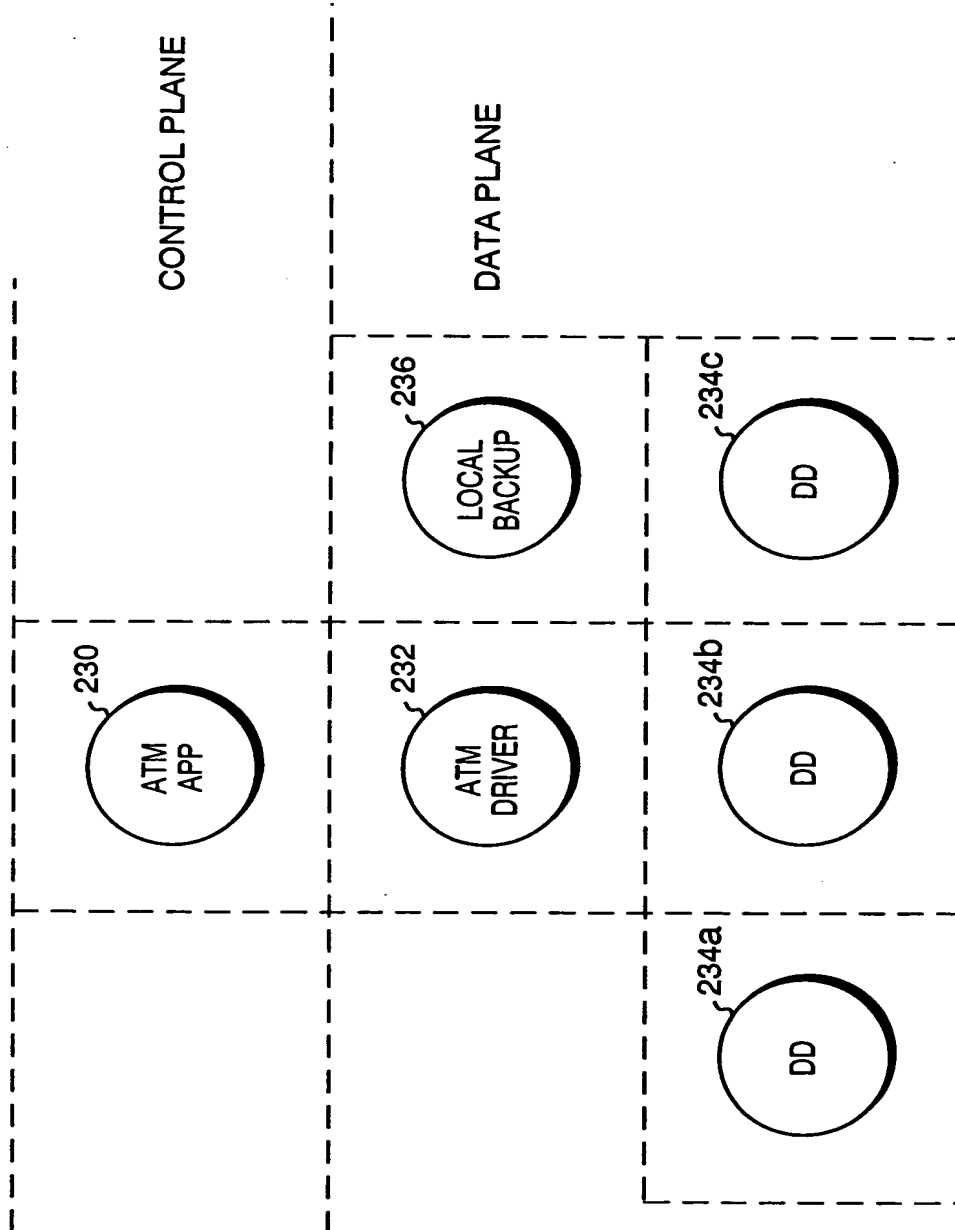


FIG. 24

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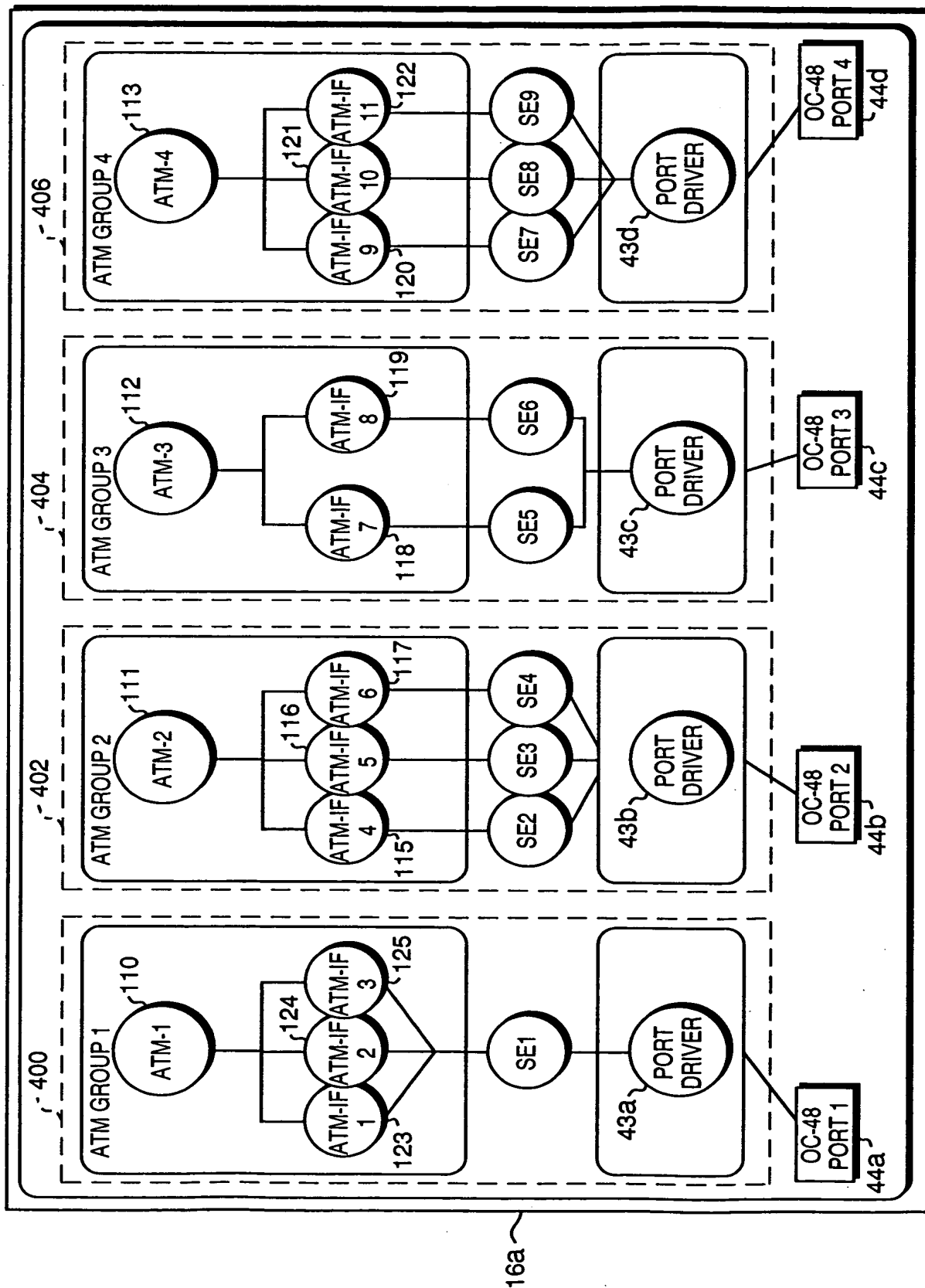


FIG. 25

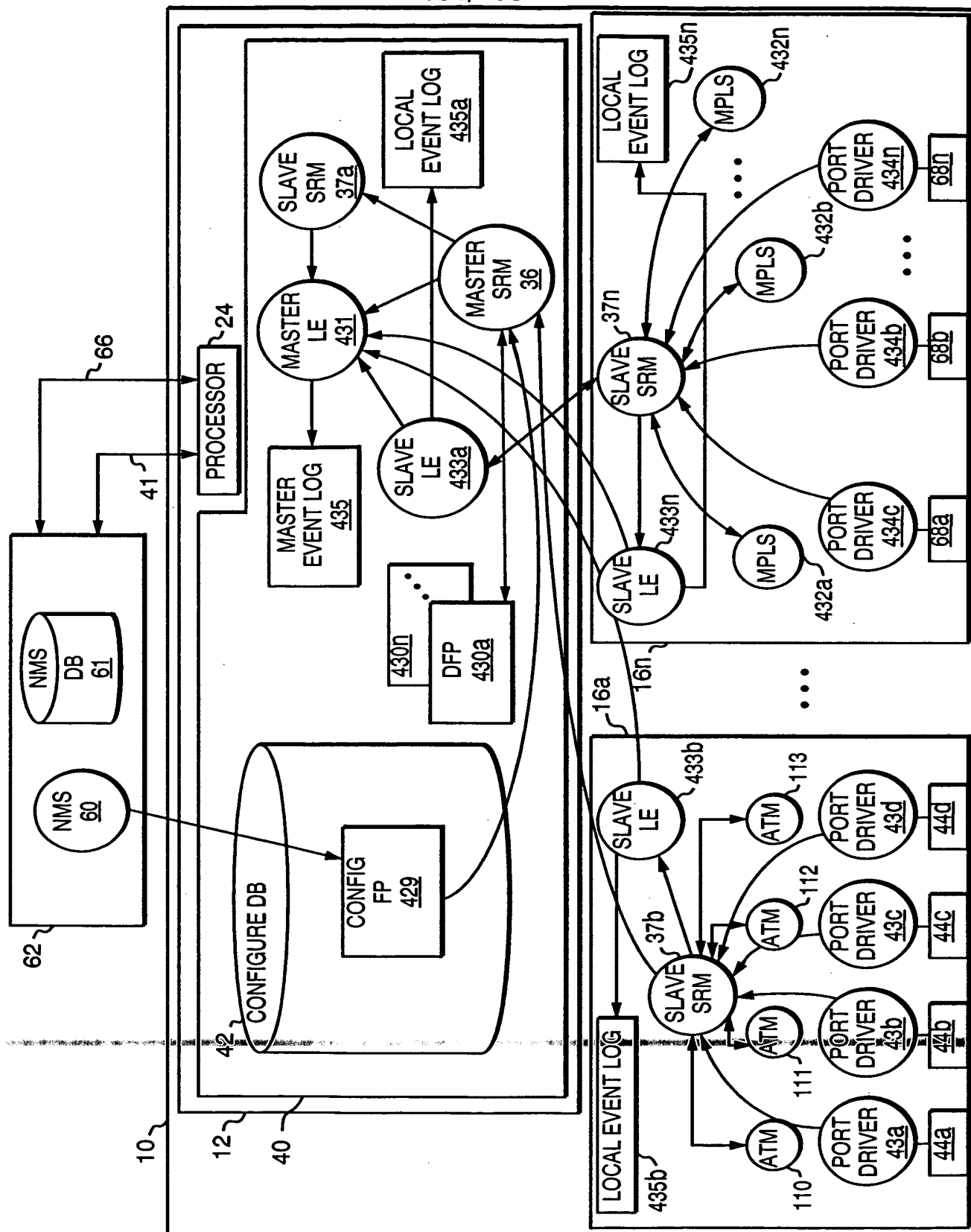


FIG. 26

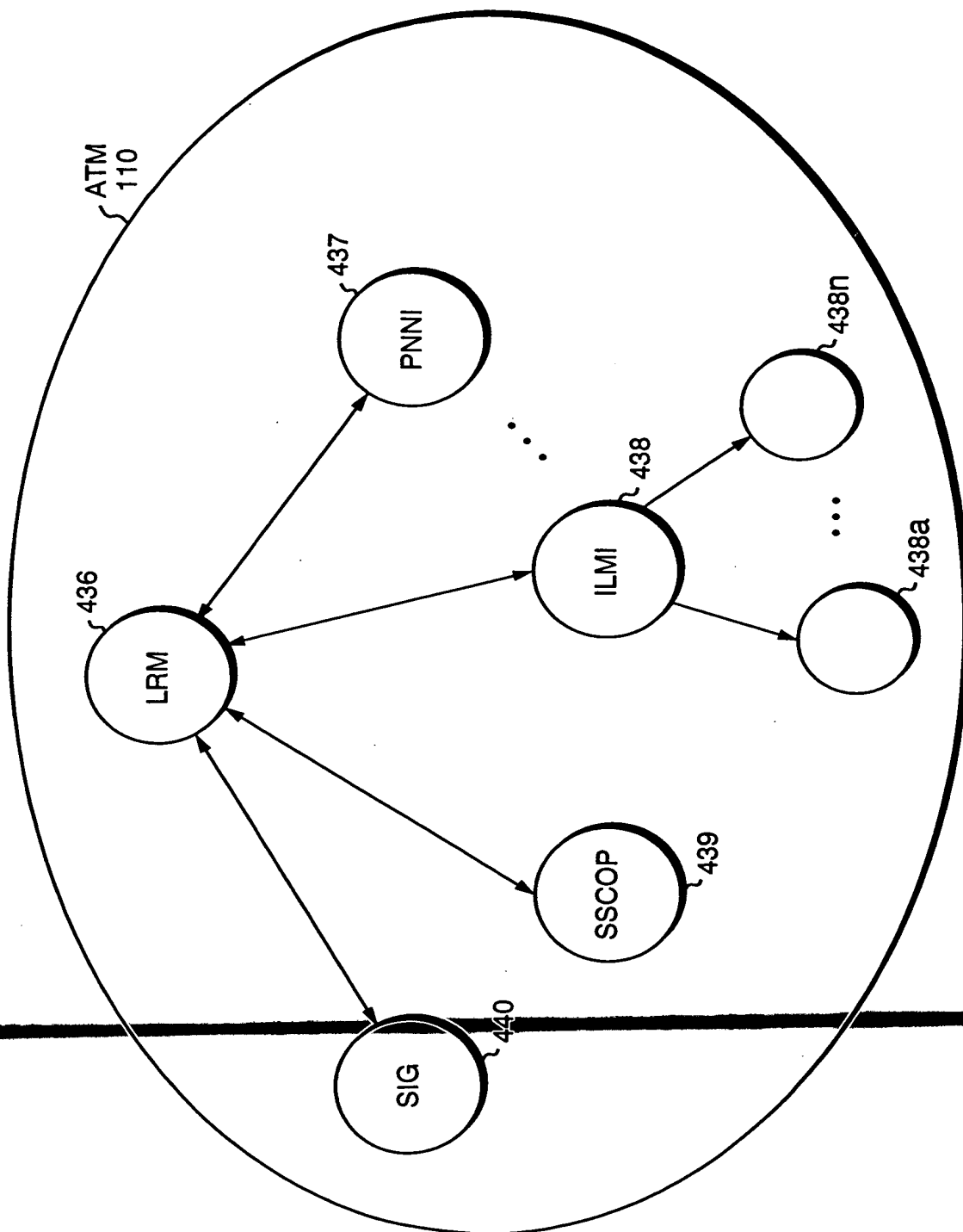


FIG. 27

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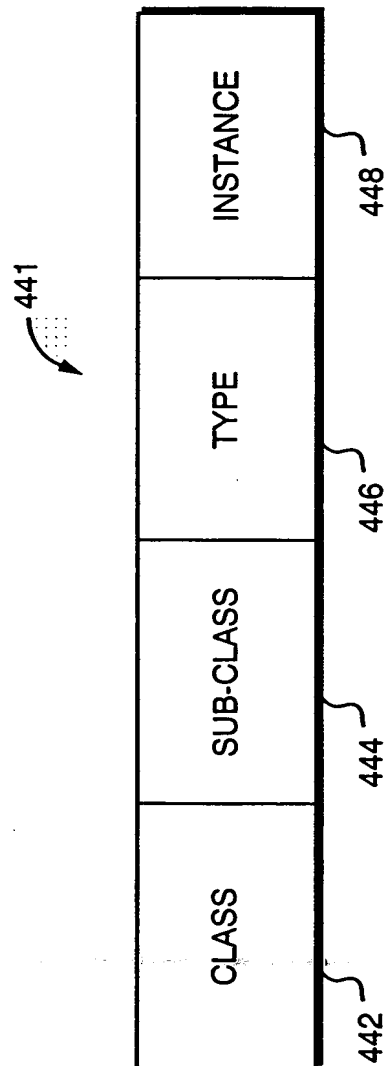


FIG. 28

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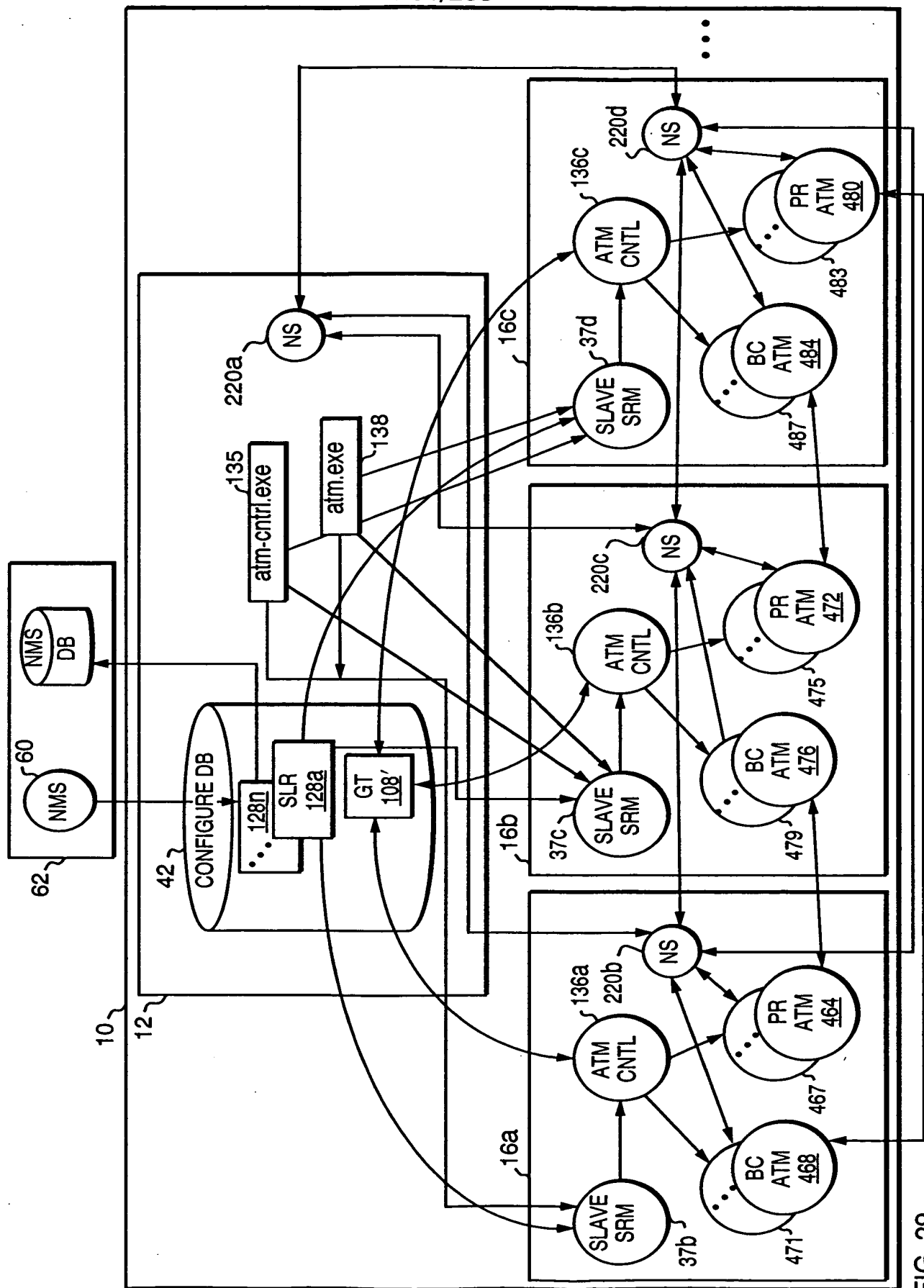


FIG. 29

102689-85

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GROUP TABLE 108'

		447	449	
	GROUP #	PRIMARY CARD LID	BACKUP CARD LID	...
450	1	30	31	
451	2	30	31	
452	3	30	31	
453	4	30	31	
454	5	31	32	
455	6	31	32	
456	7	31	32	
457	8	31	32	
458	9	32	30	
459	10	32	30	
460	11	32	30	
461	12	32	30	

FIG. 30

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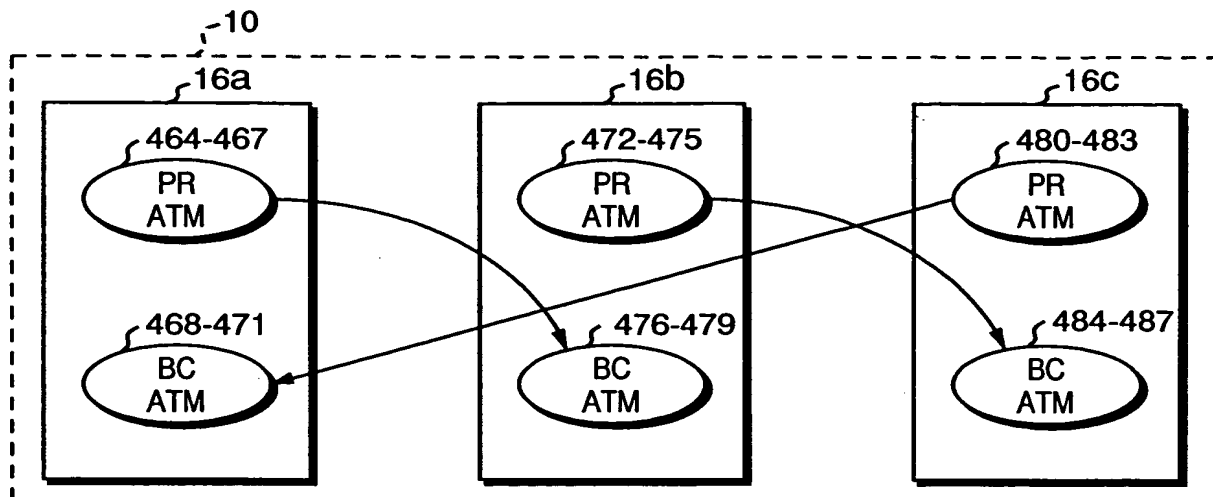


FIG. 31A

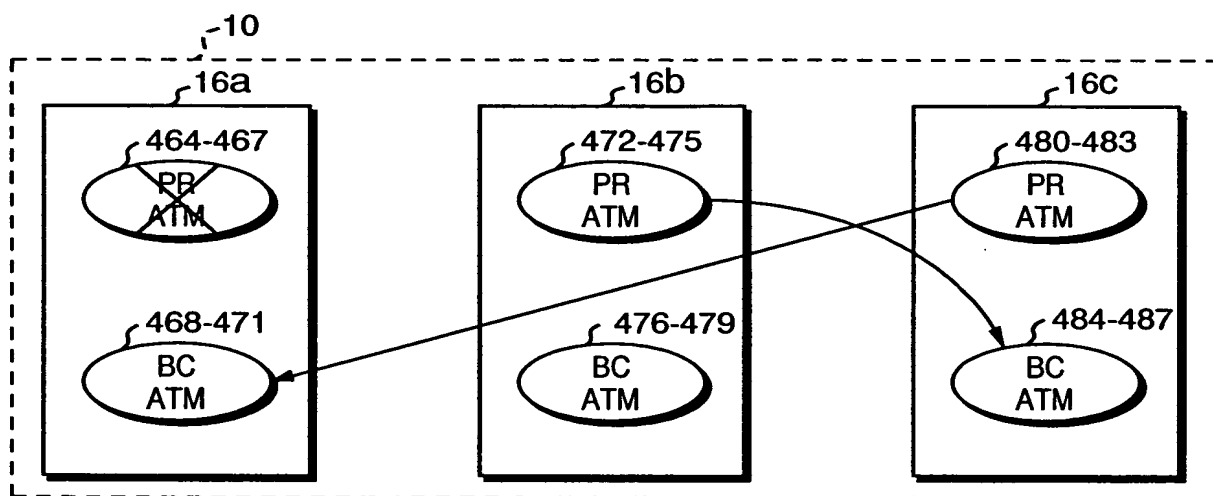


FIG. 31B

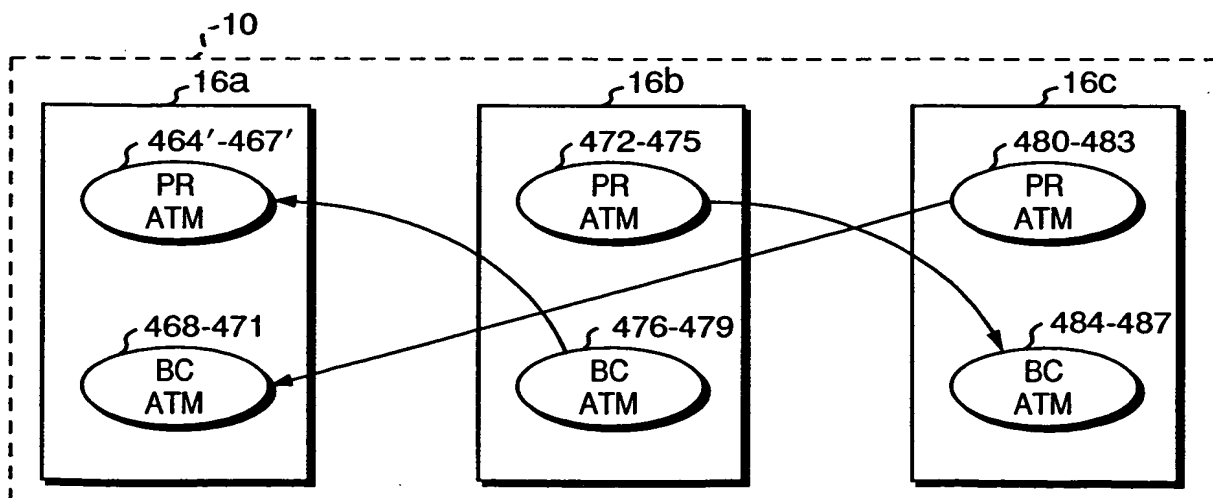


FIG. 31C

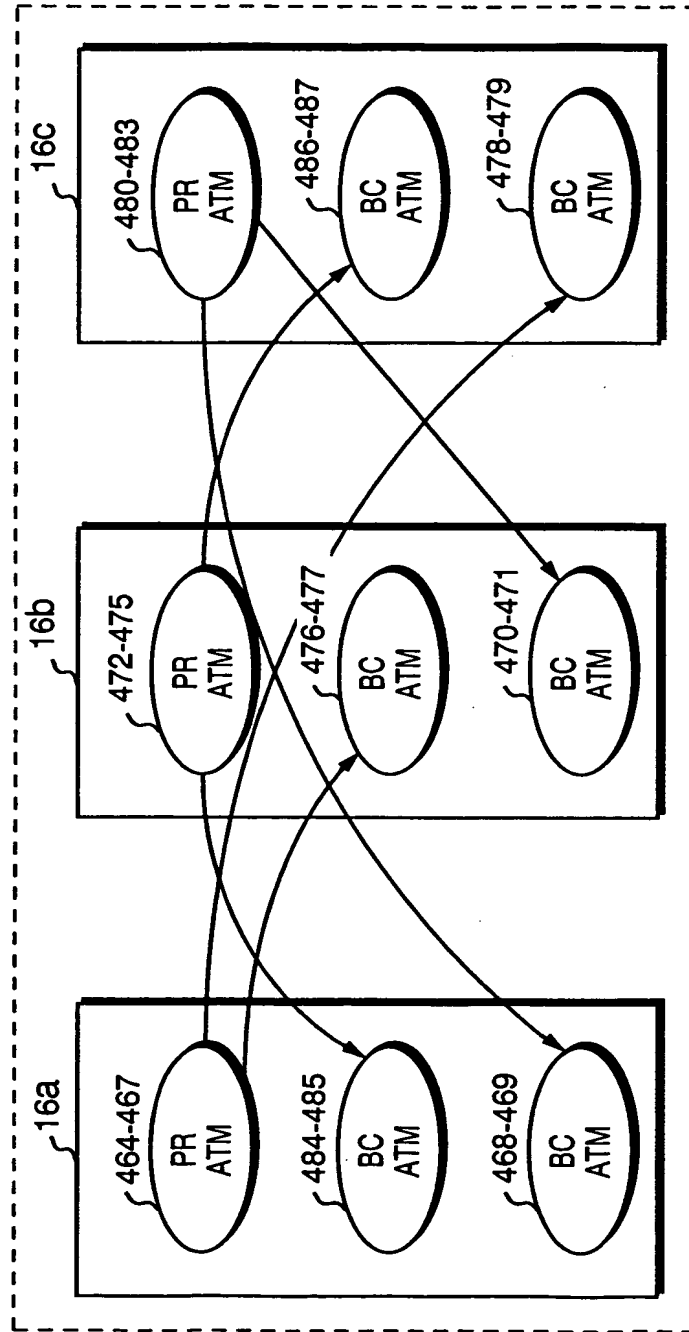


FIG. 32A

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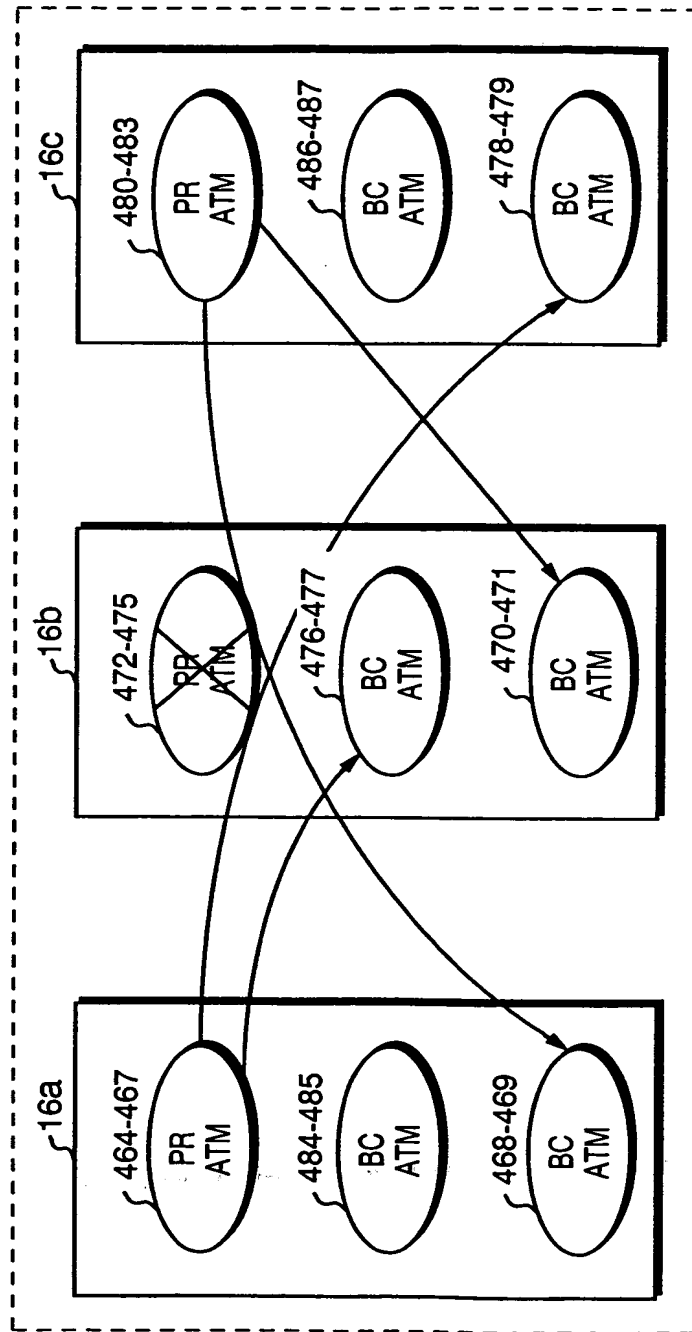


FIG. 32B

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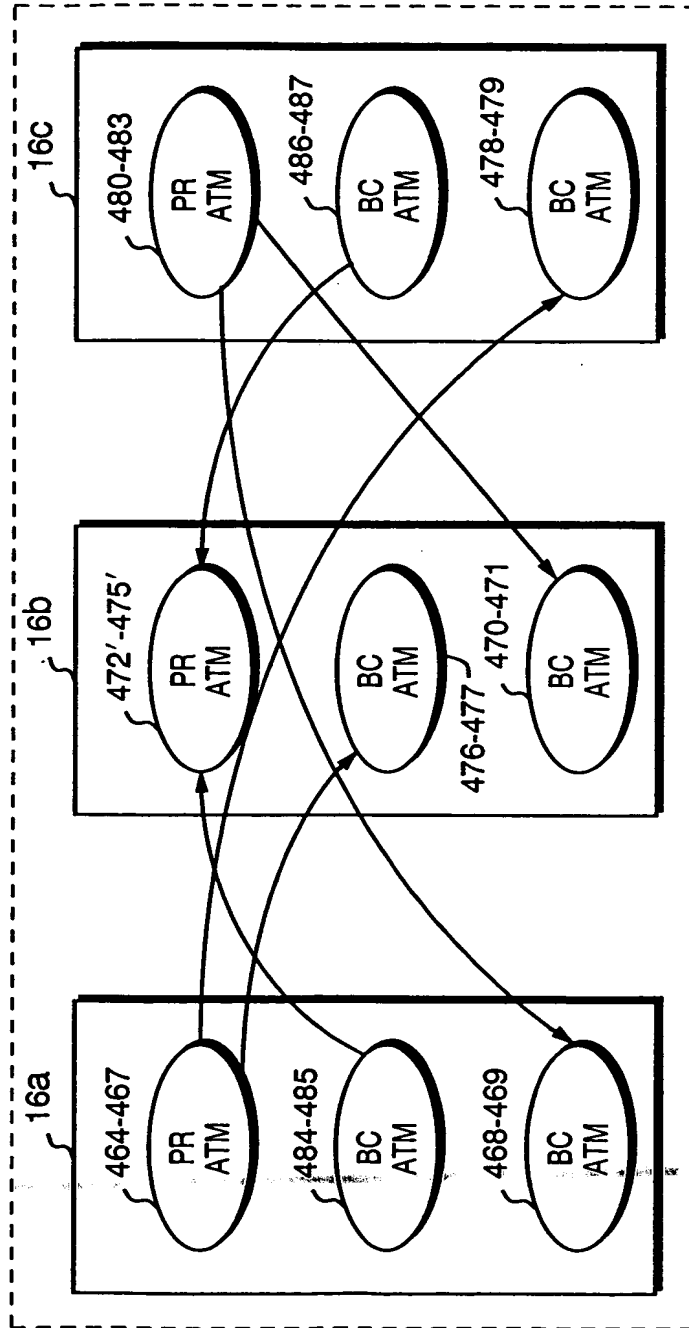


FIG. 32C

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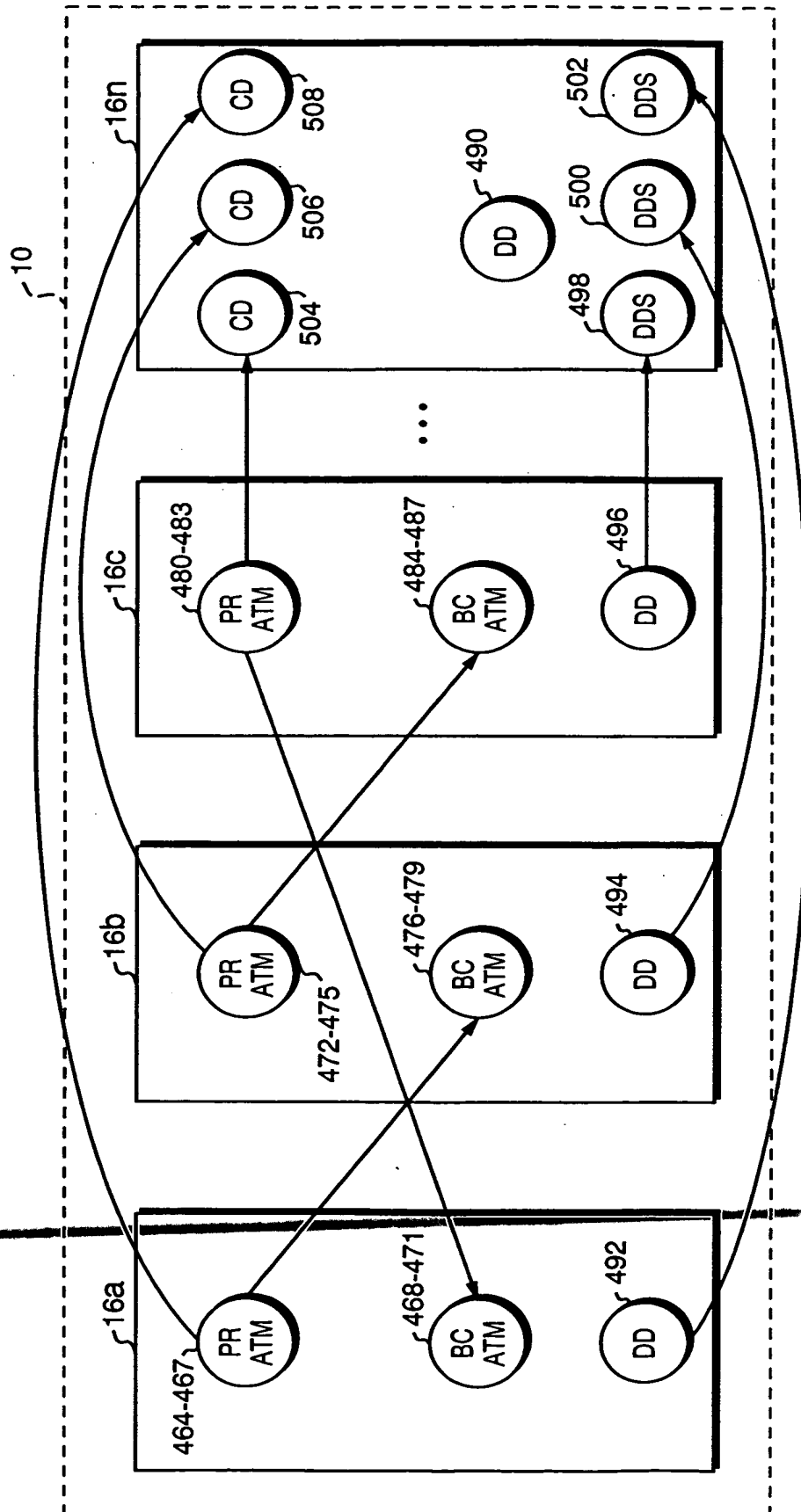


FIG. 33A

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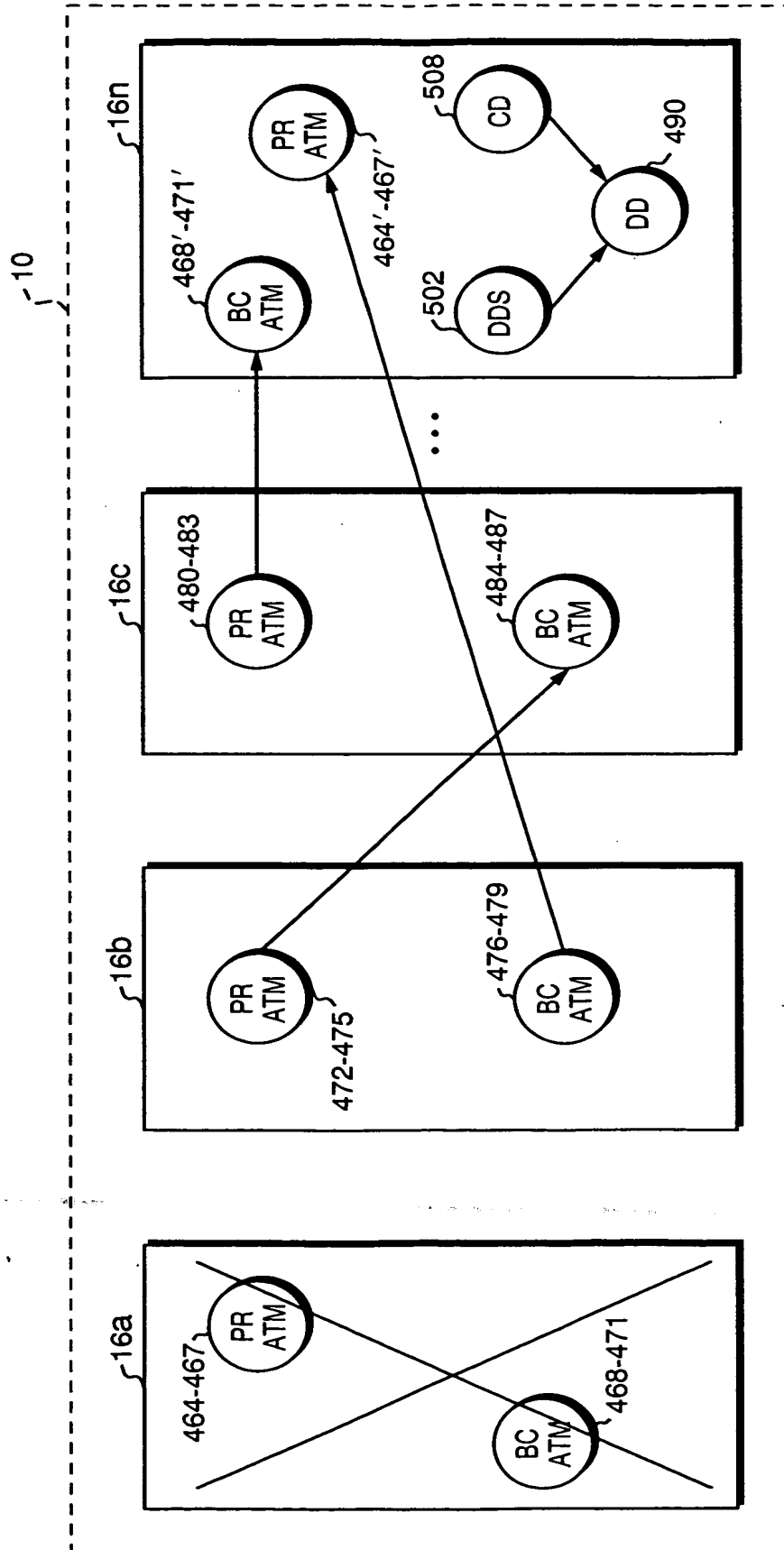


FIG. 33B

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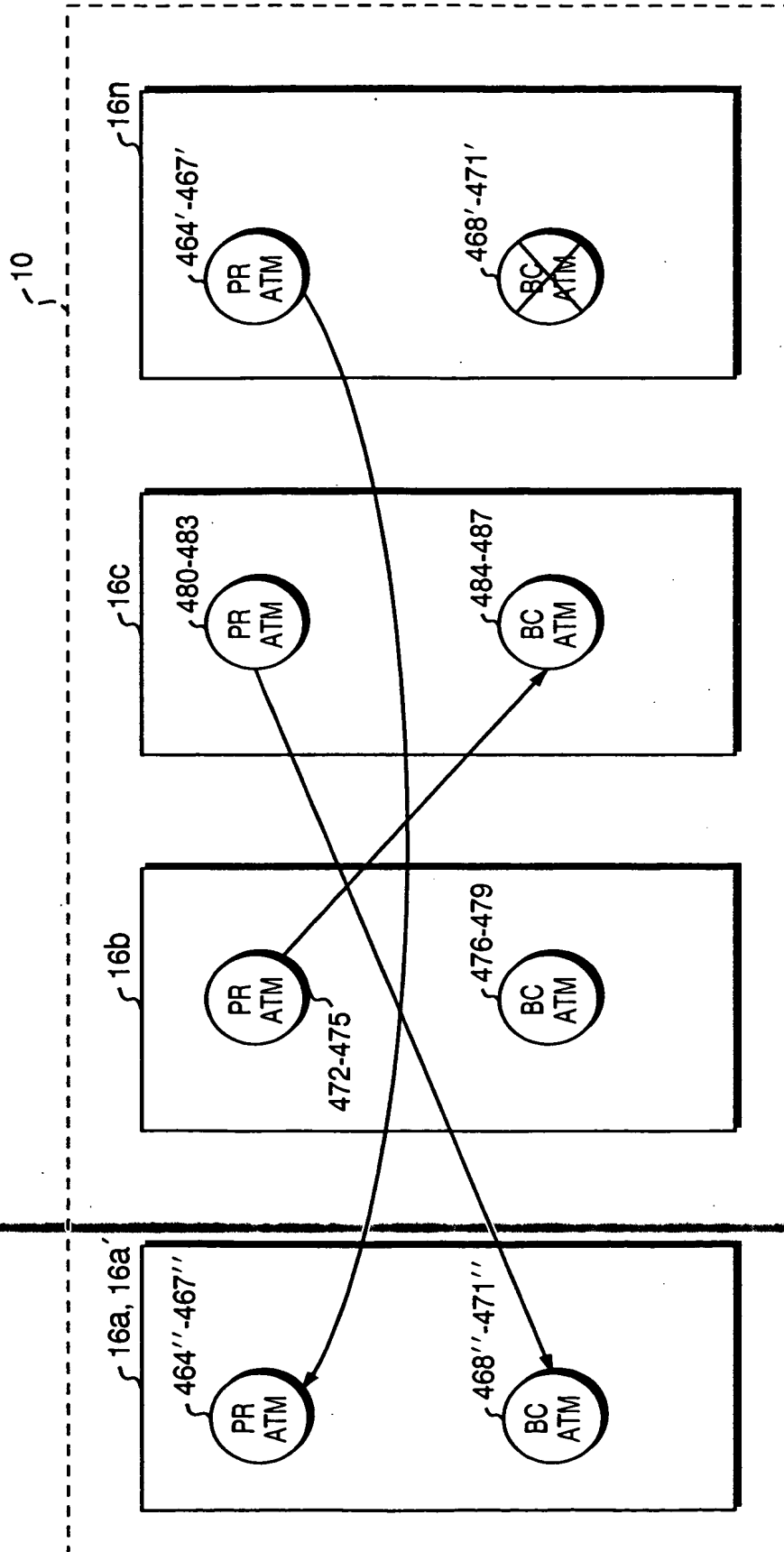


FIG. 33C

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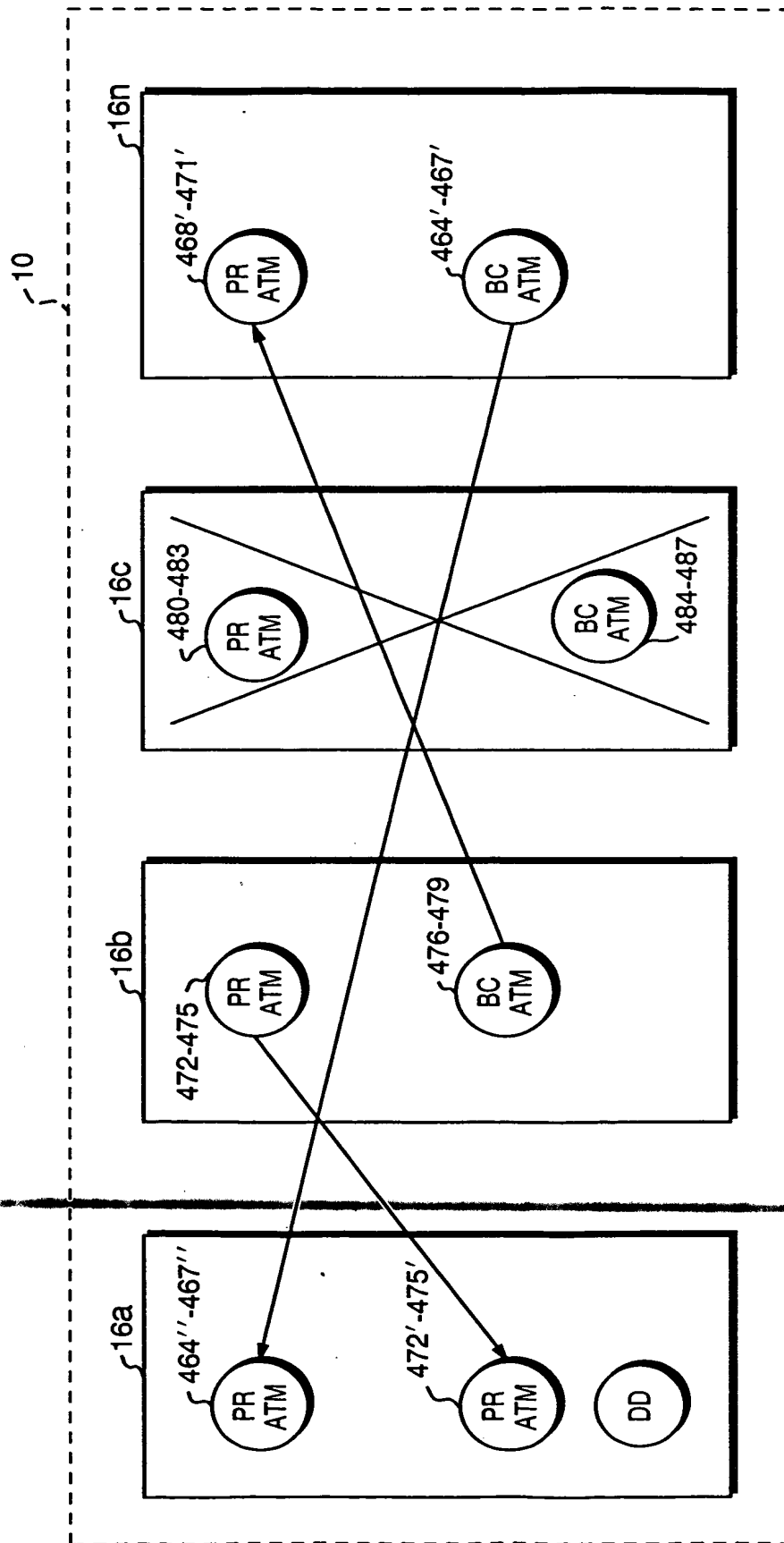


FIG. 33D

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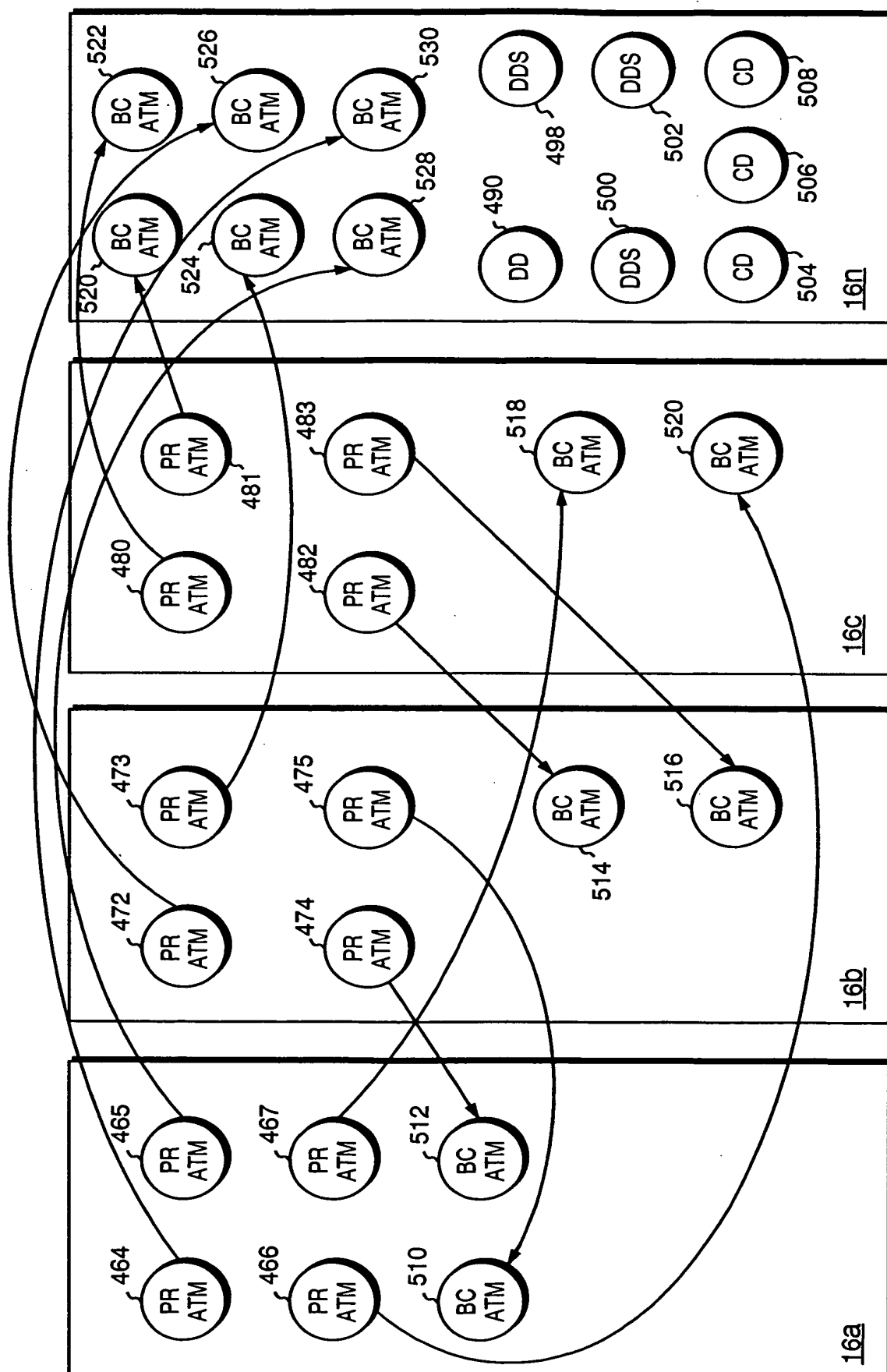


FIG. 34A

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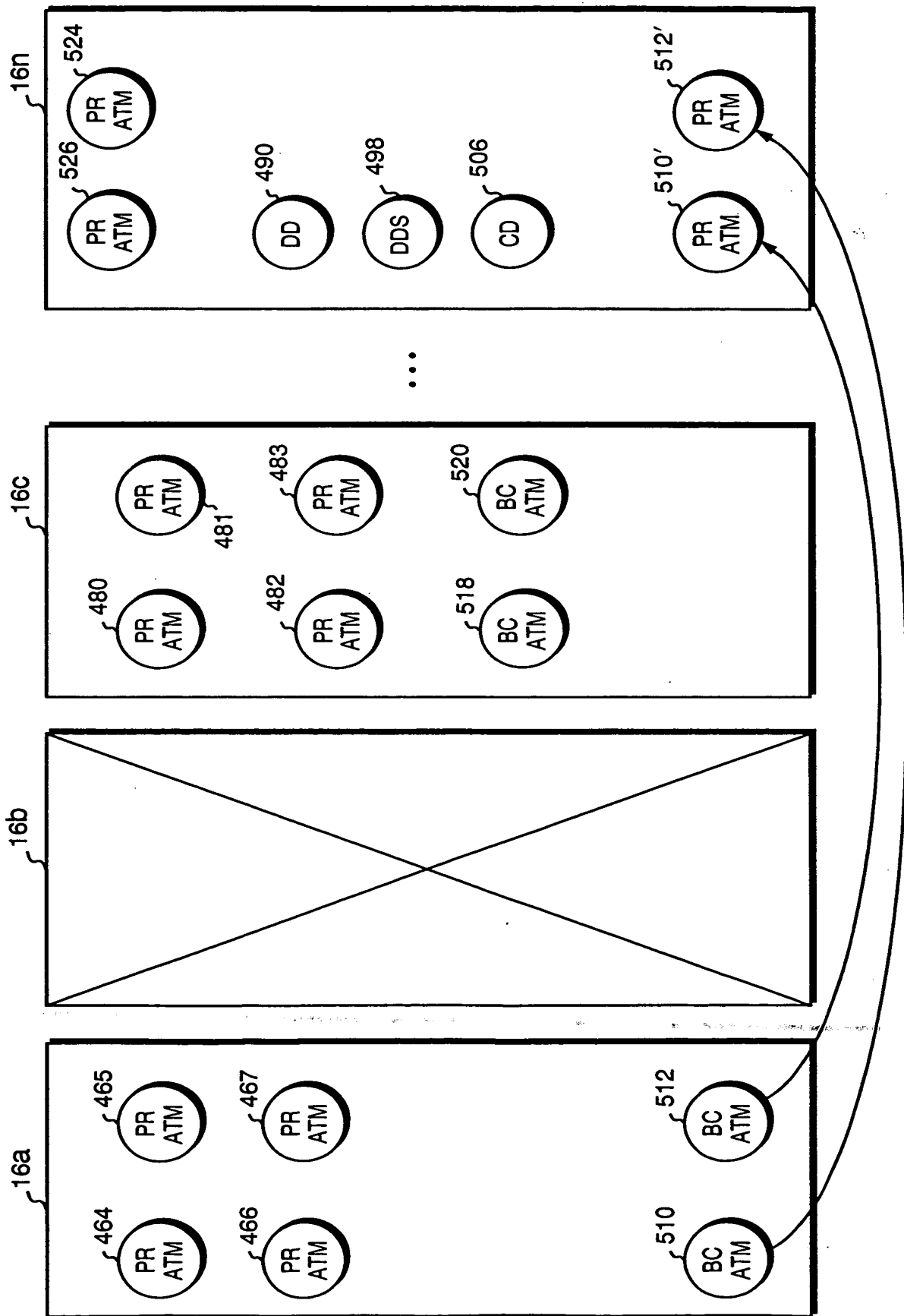


FIG. 34B

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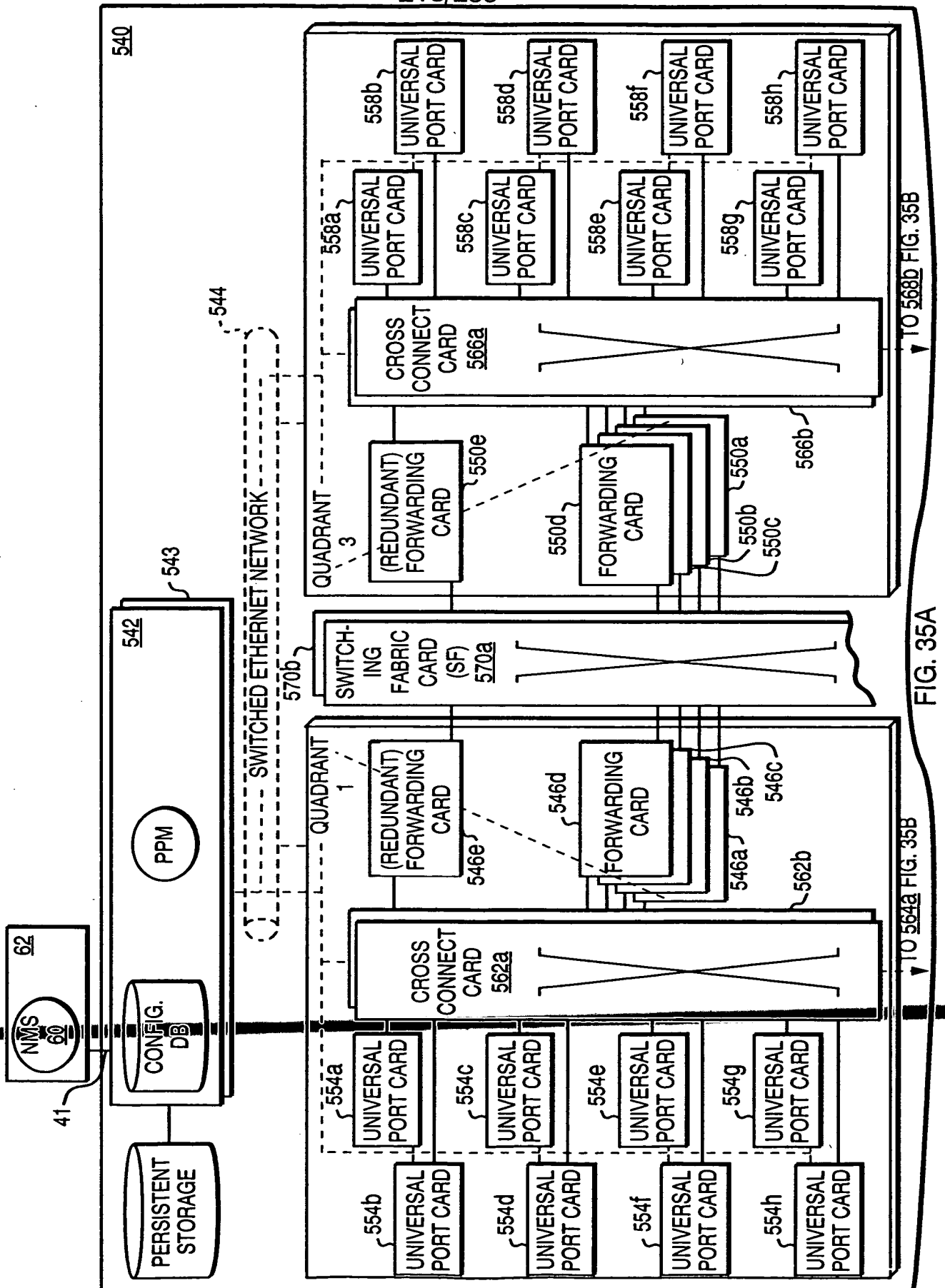


FIG. 35A

TO 5680 FIG. 35B

TO 5642 FIG. 35B

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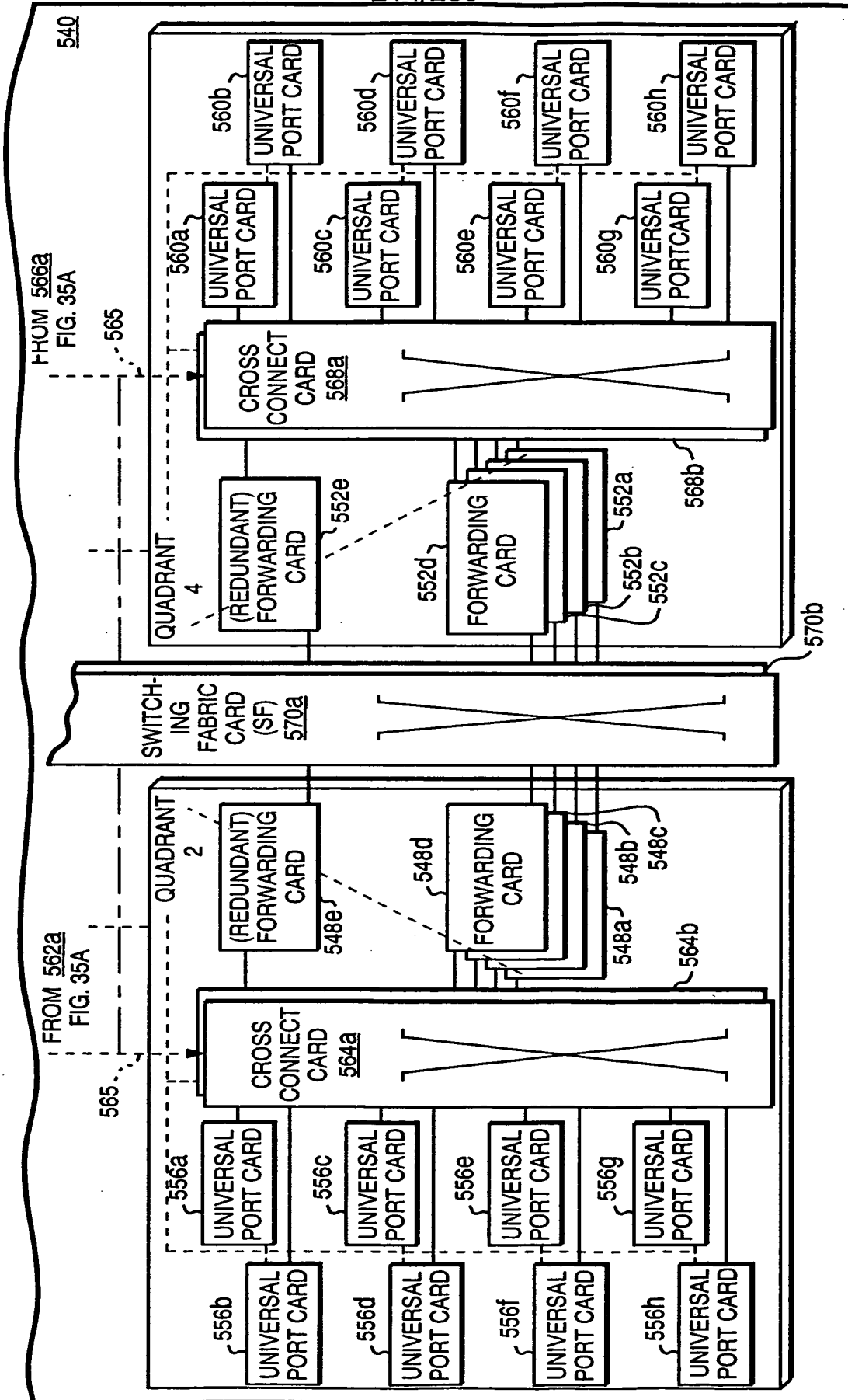


FIG. 35B

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CROSS CONNECTION CARD

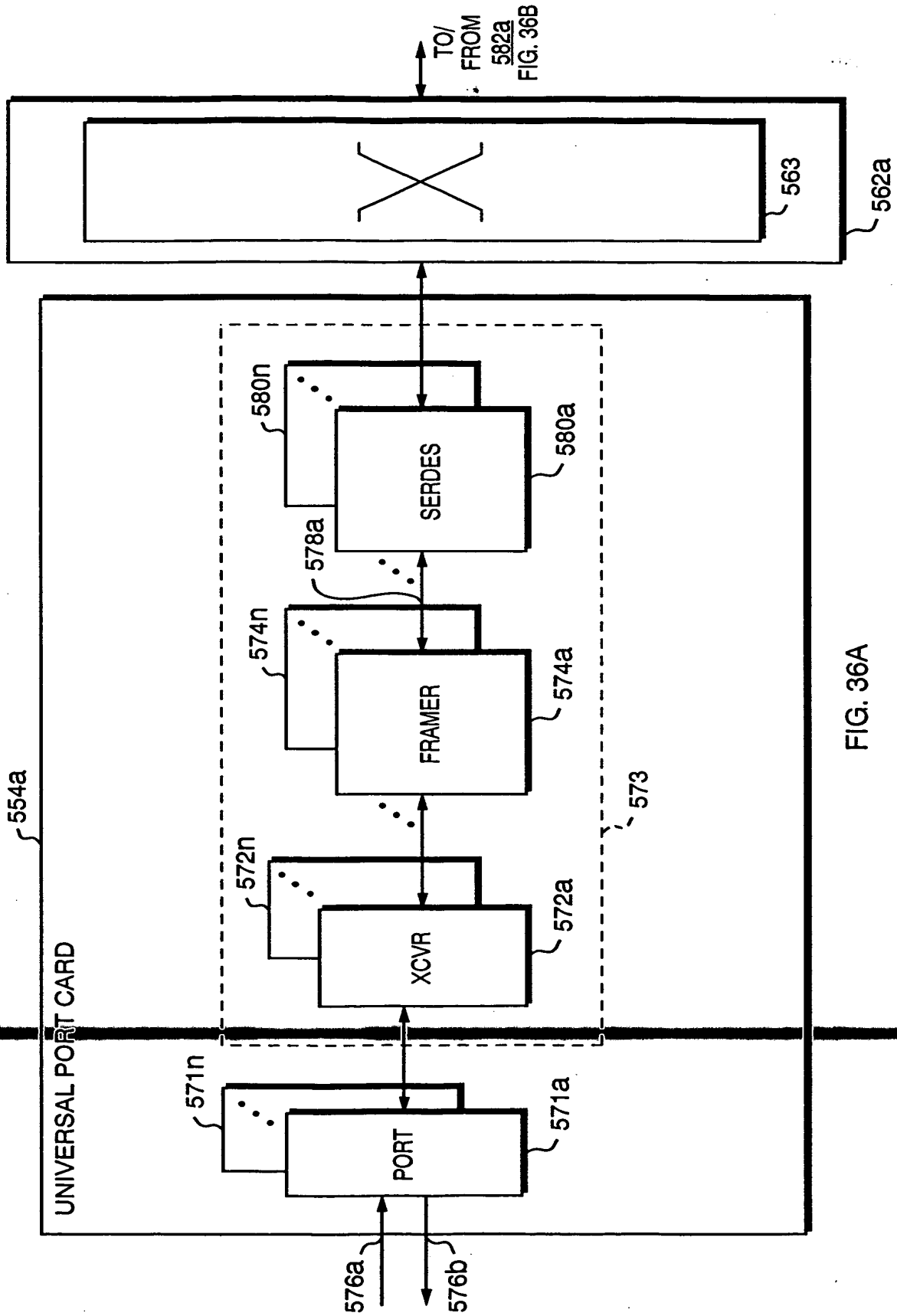
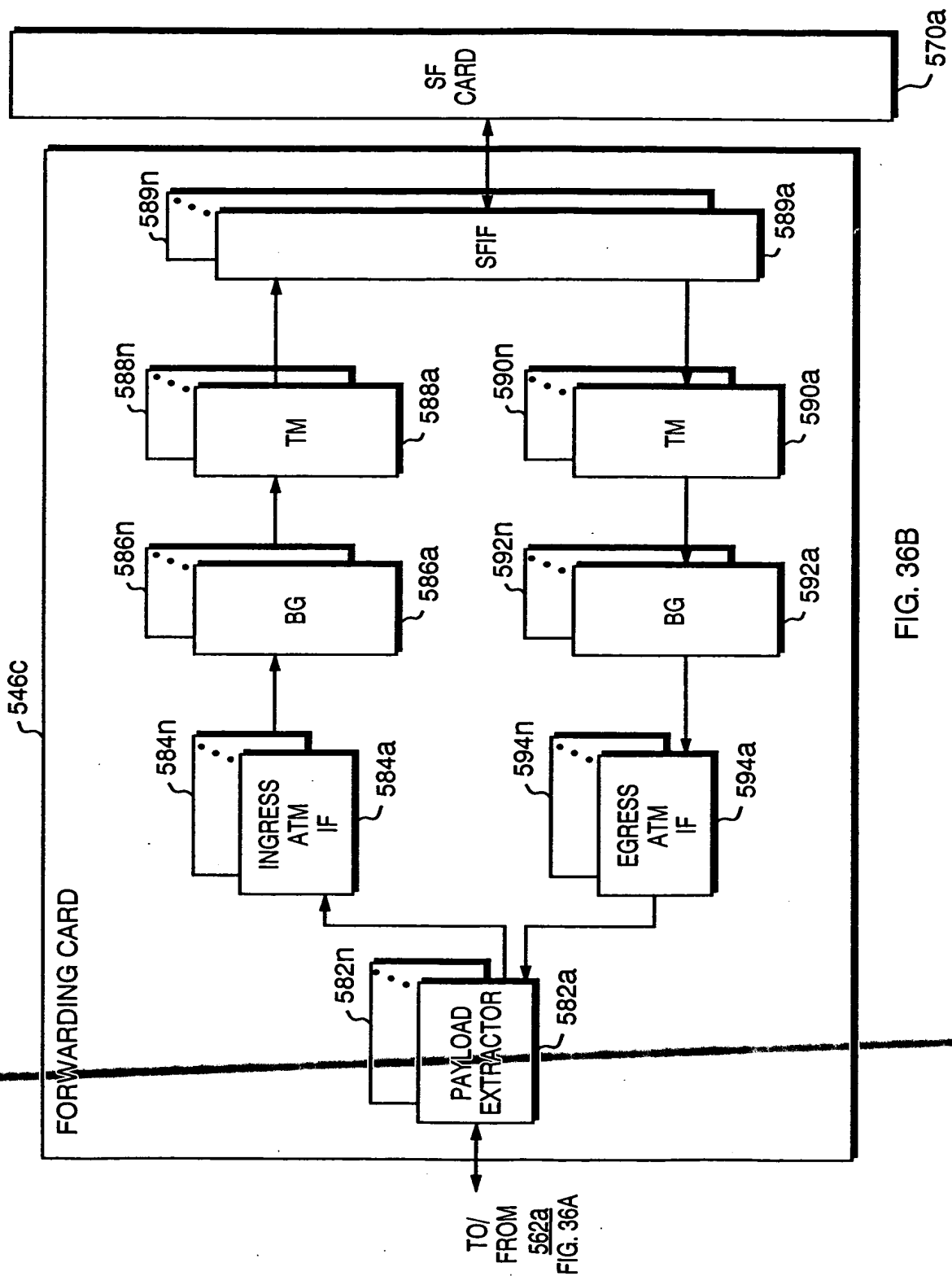


FIG. 36A

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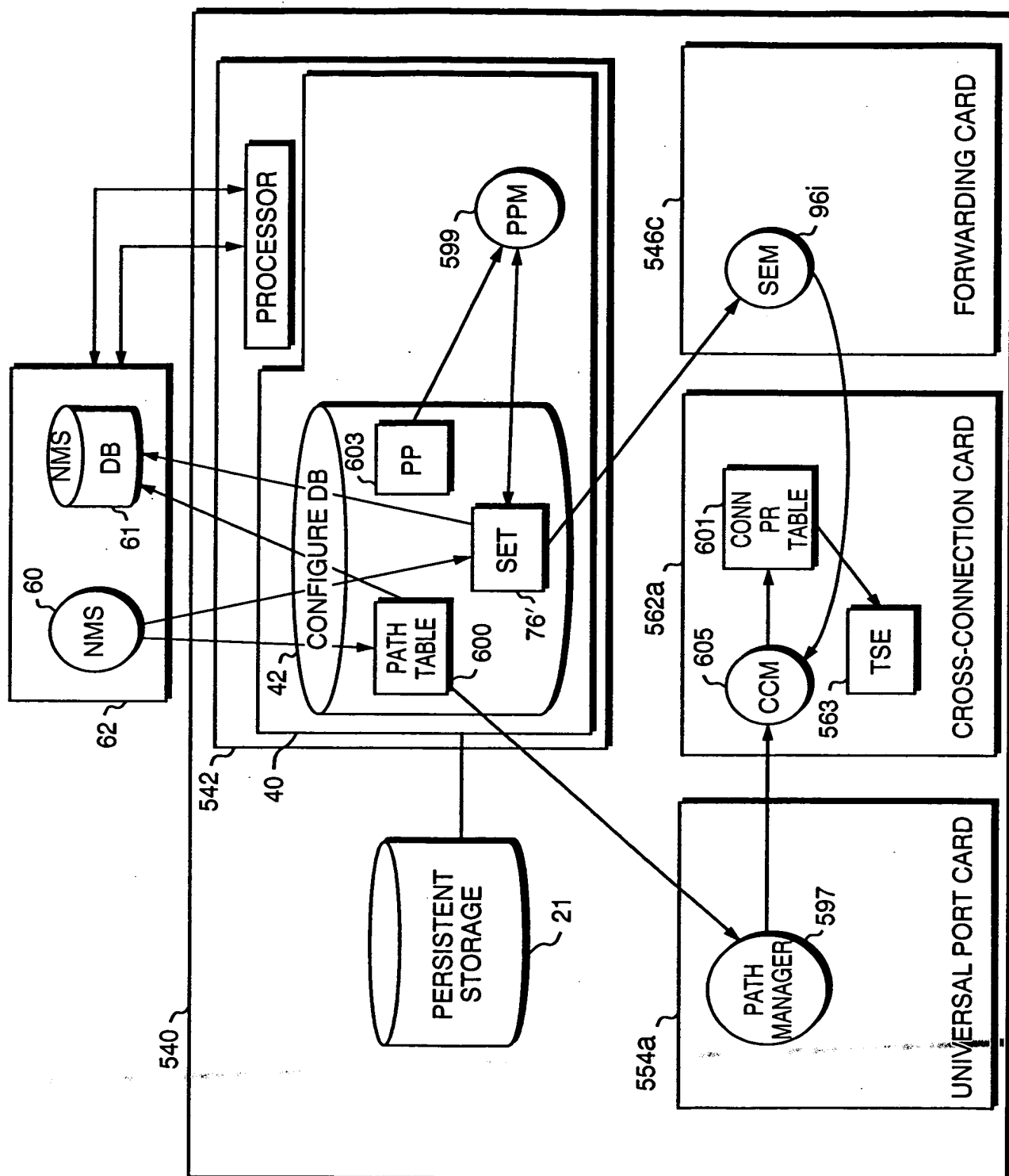


FIG. 37

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PATH TABLE 600

602

PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	...
1666	1231	4	3	
⋮	⋮	⋮	⋮	⋮

FIG. 38

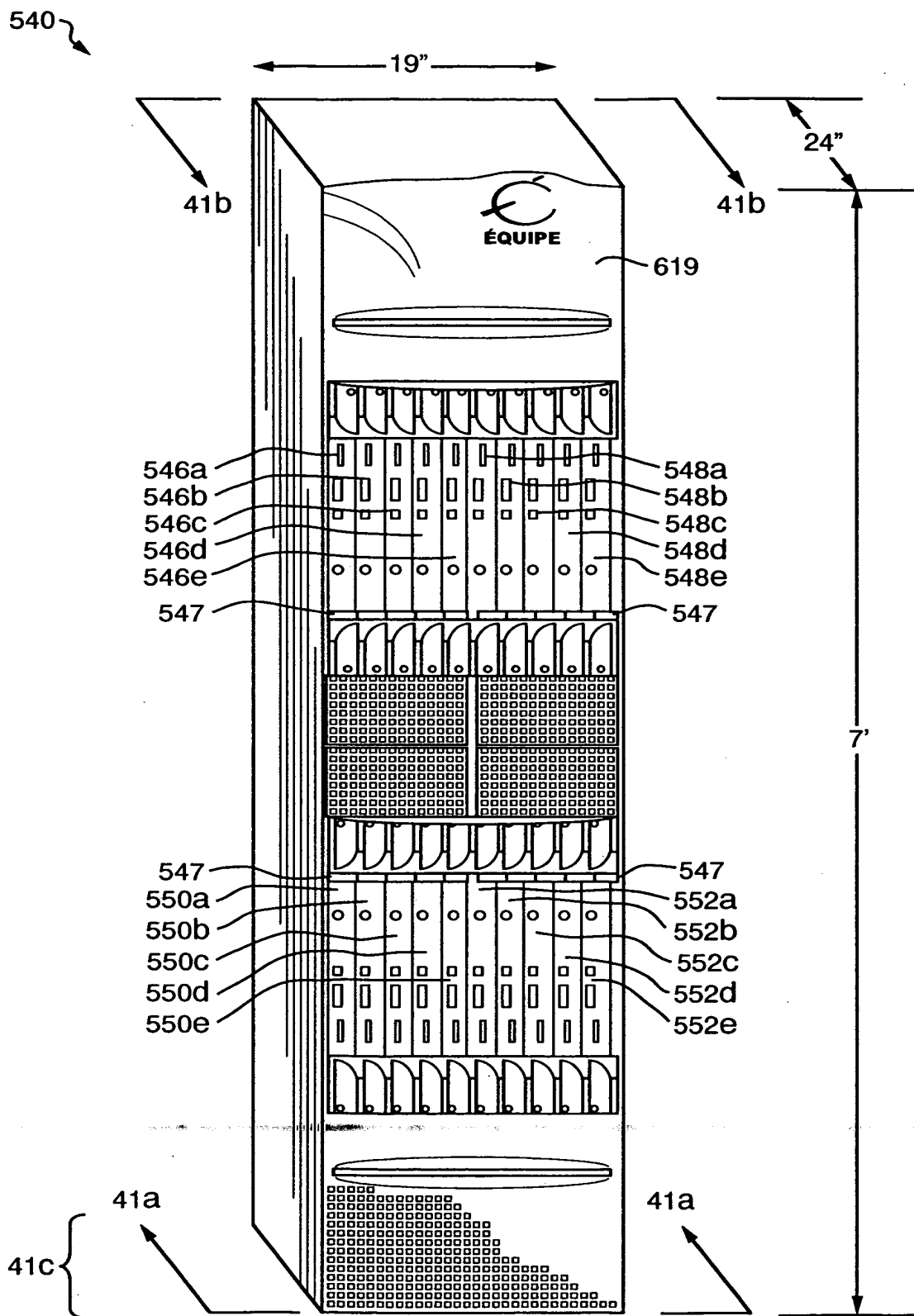
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SERVICE END POINT TABLE 76'

		{ 606		{ 608	{ 610		
	SE #	Q #	FC LID	FC SLICE	FC TIME SLOT	PATH PID	...
604 {	878	1				1666	

FIG. 39

FIG. 40



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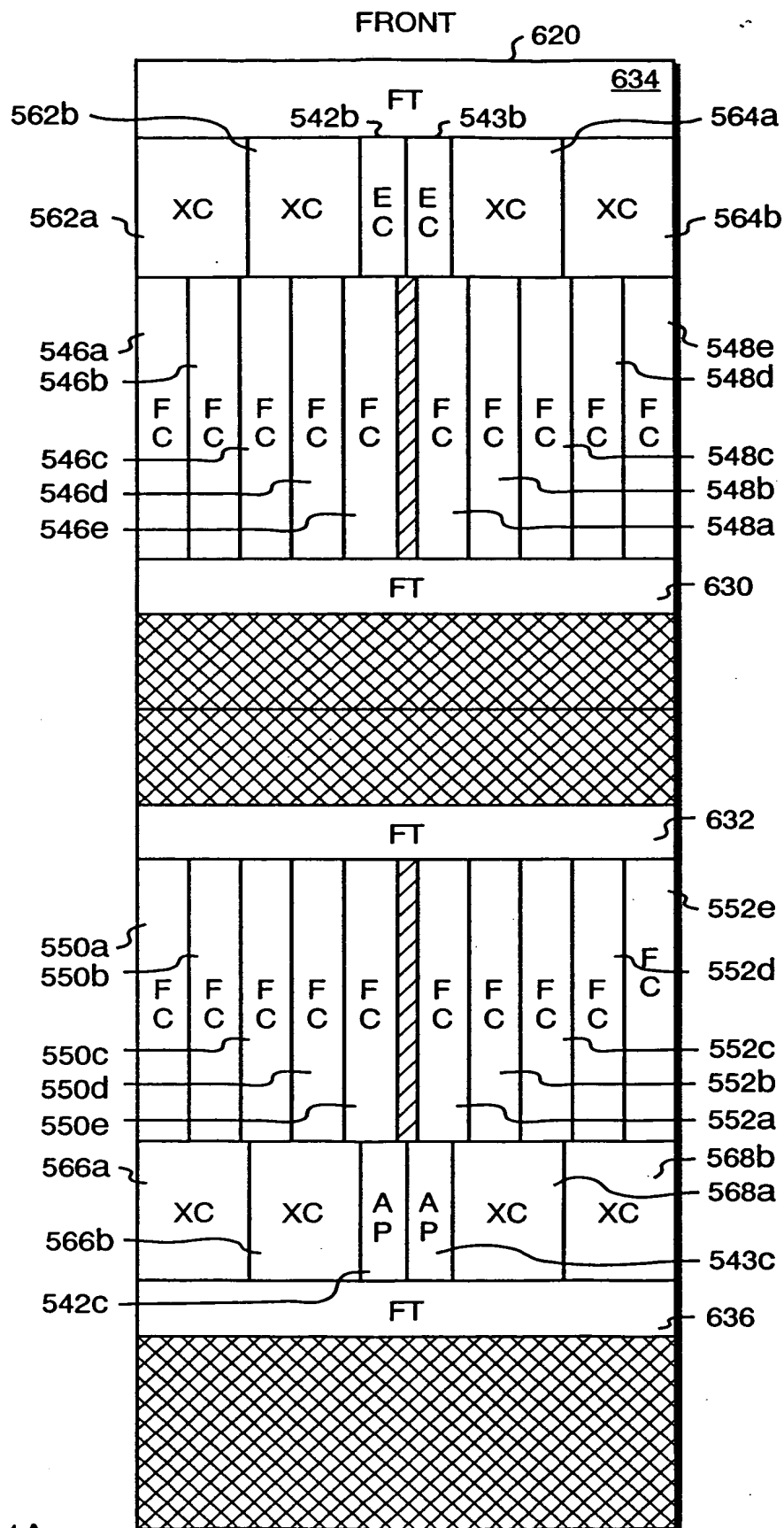


FIG. 41A

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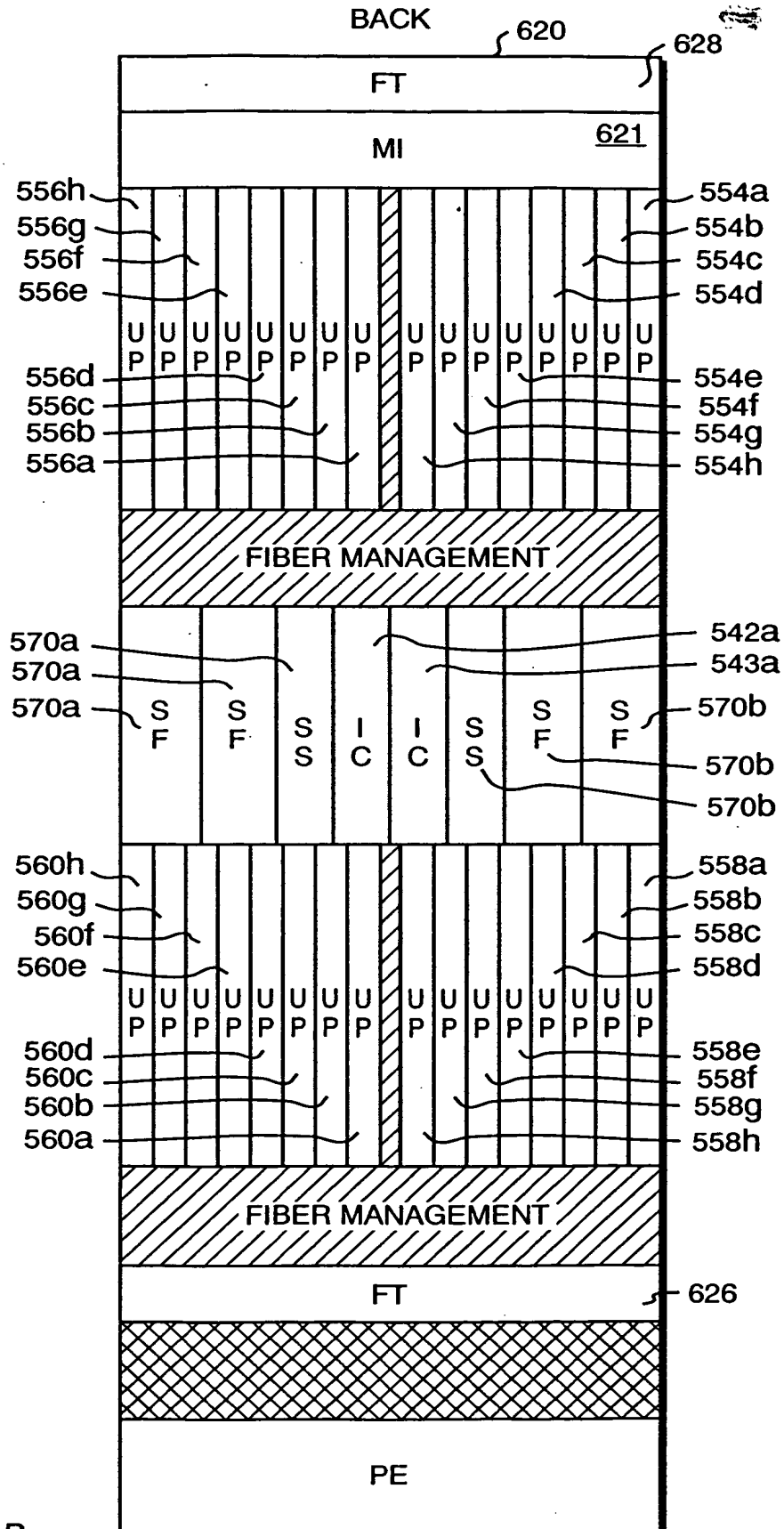


FIG. 41B

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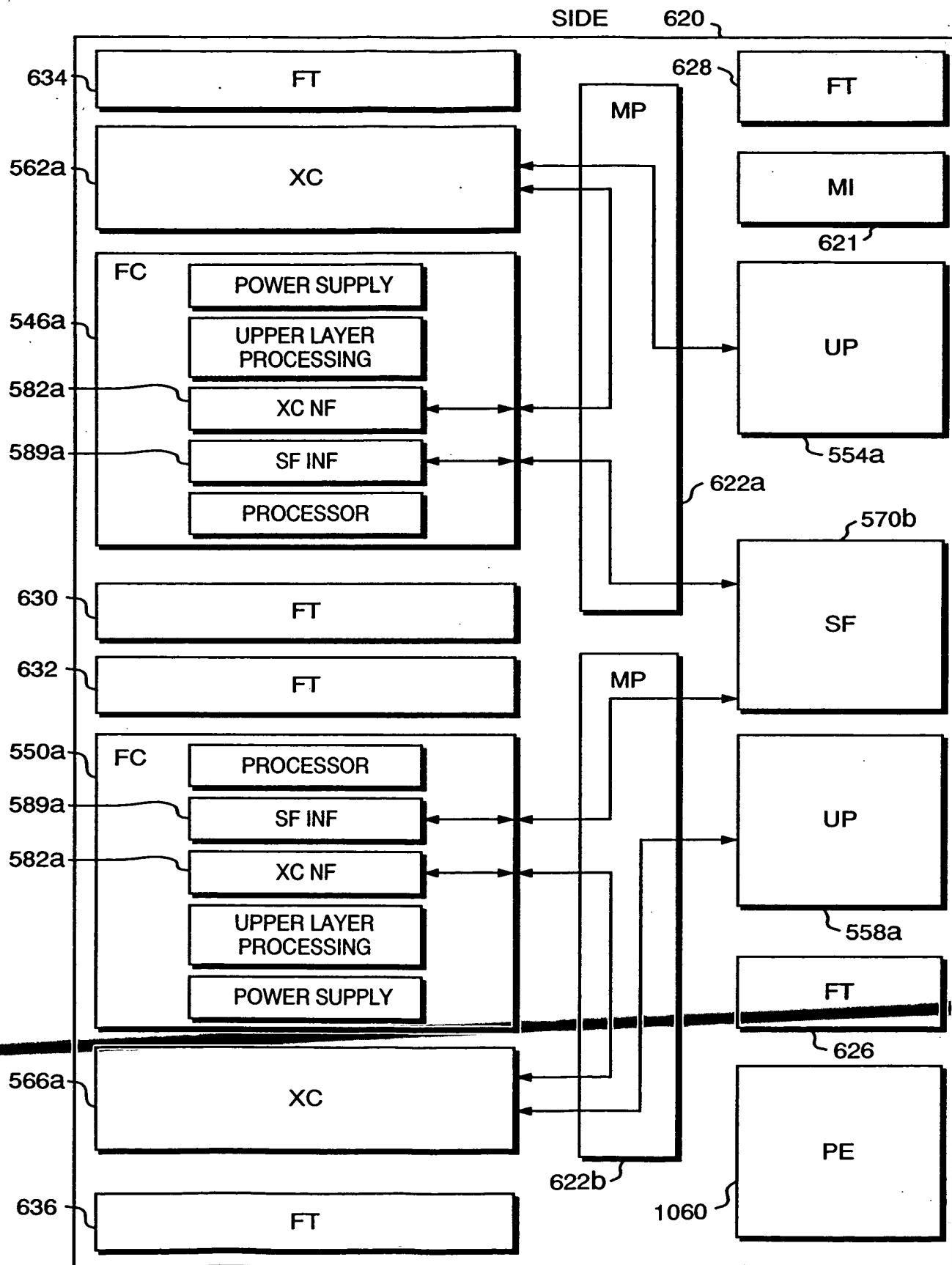


FIG. 41C

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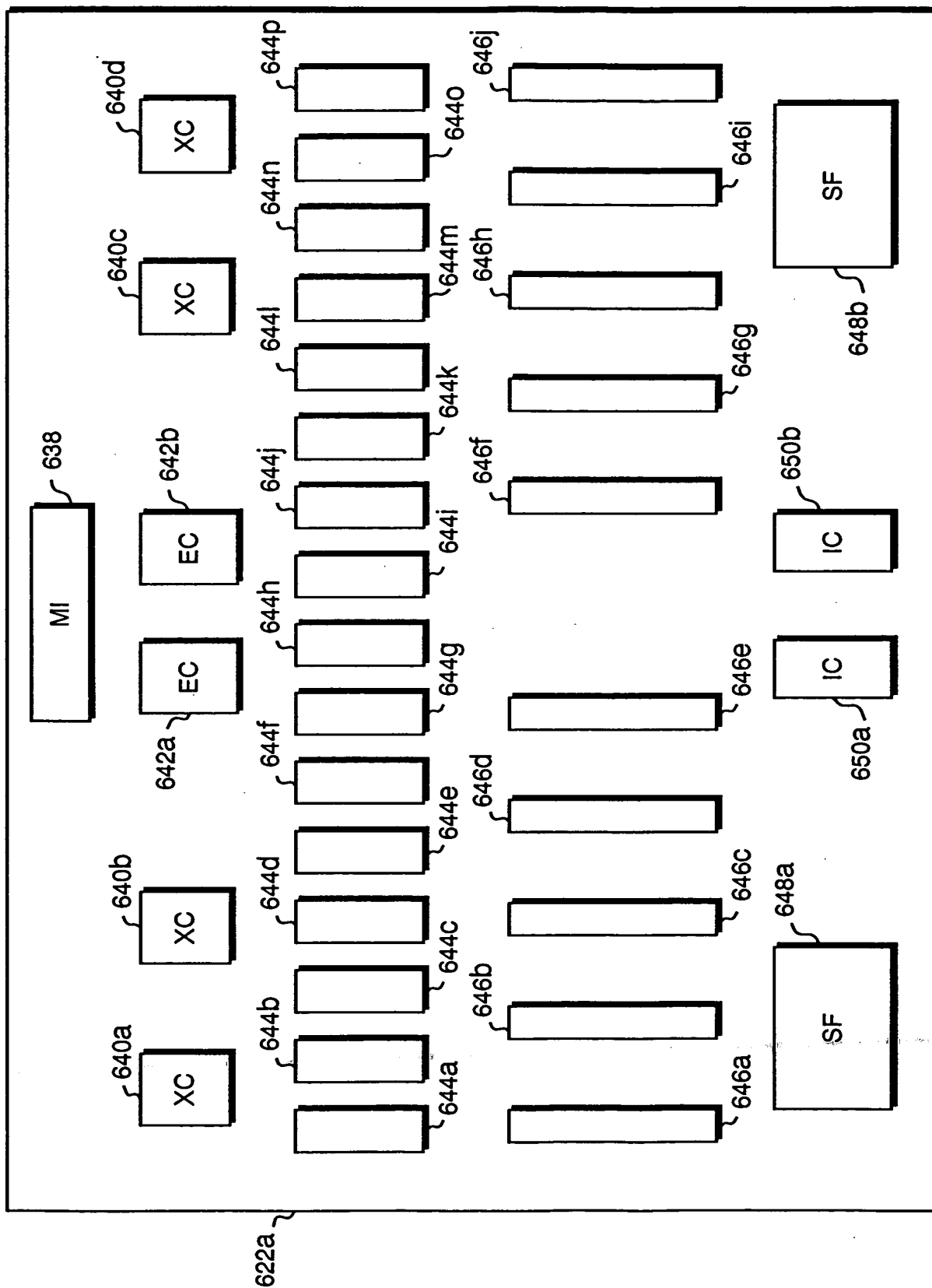


FIG. 42A

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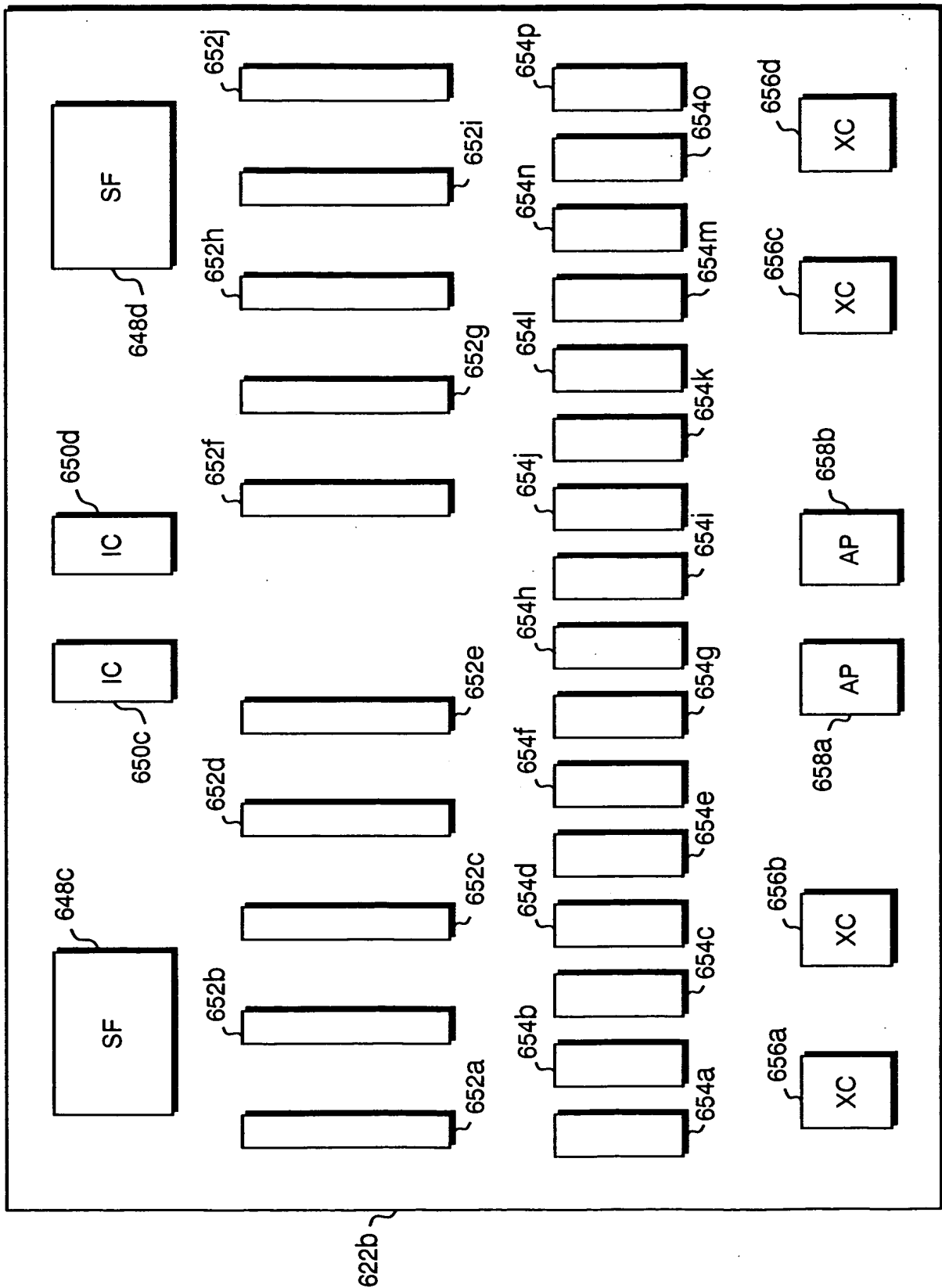


FIG. 42B

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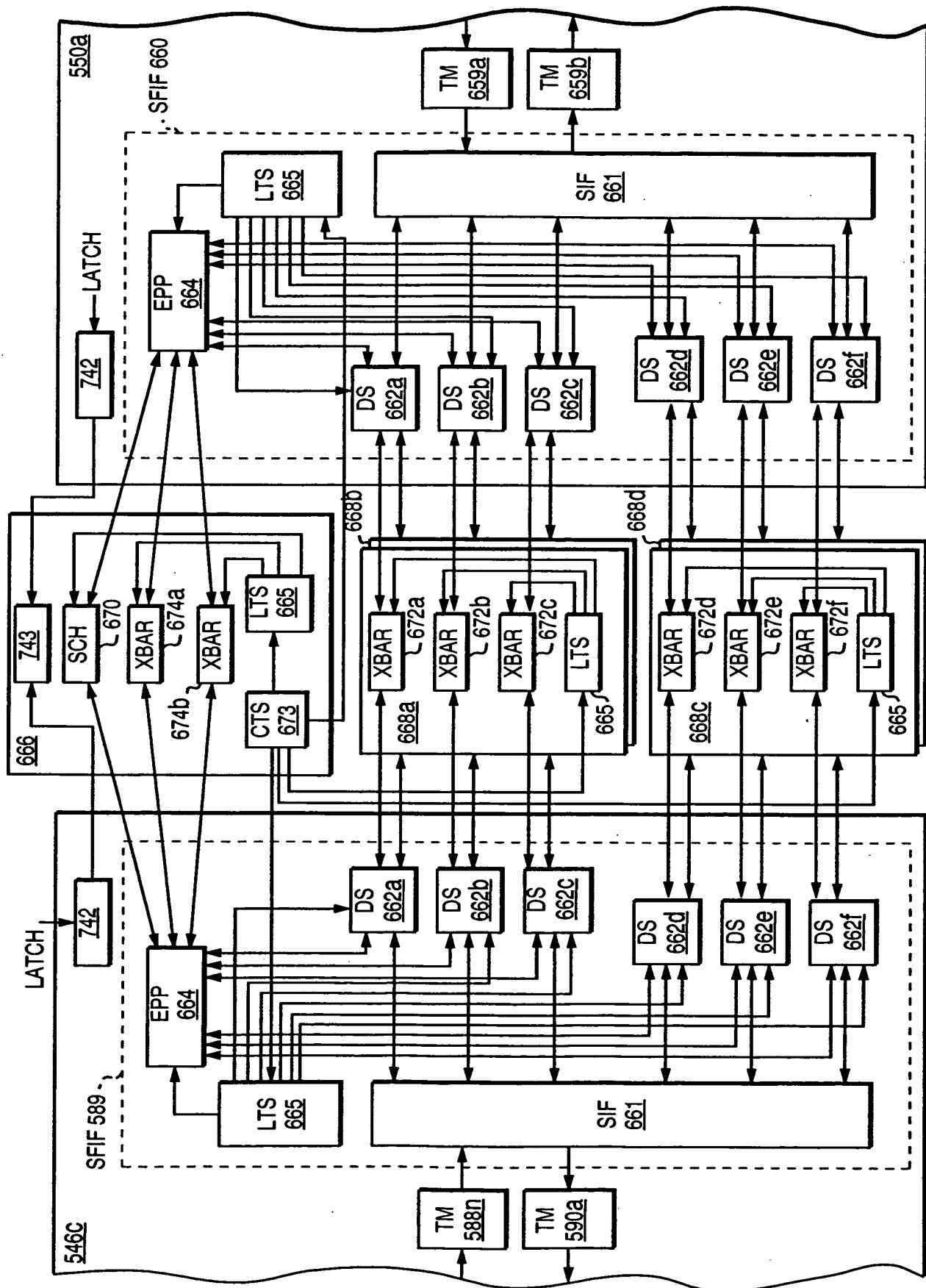


FIG. 43

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640

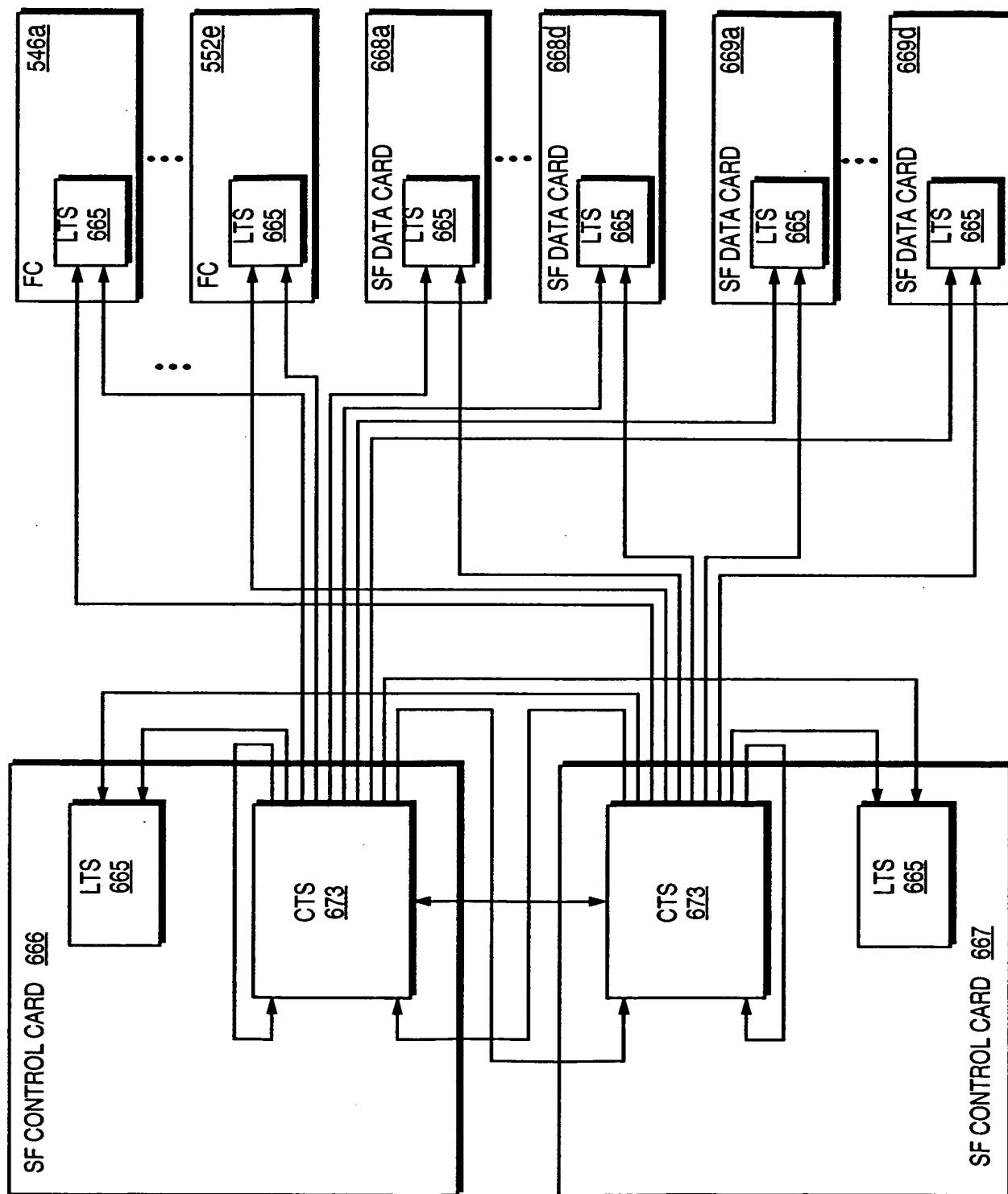


FIG. 44

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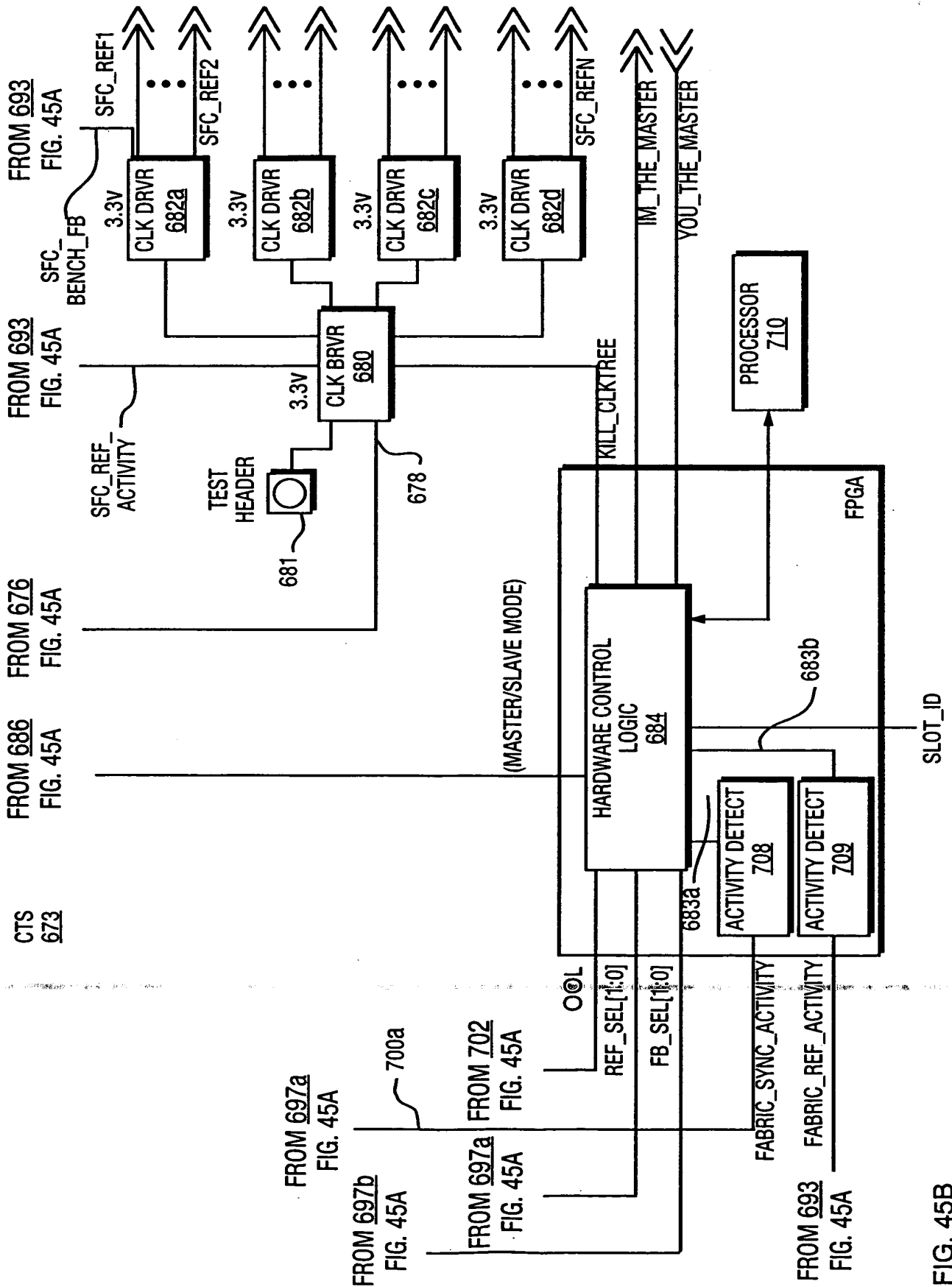


FIG. 45B

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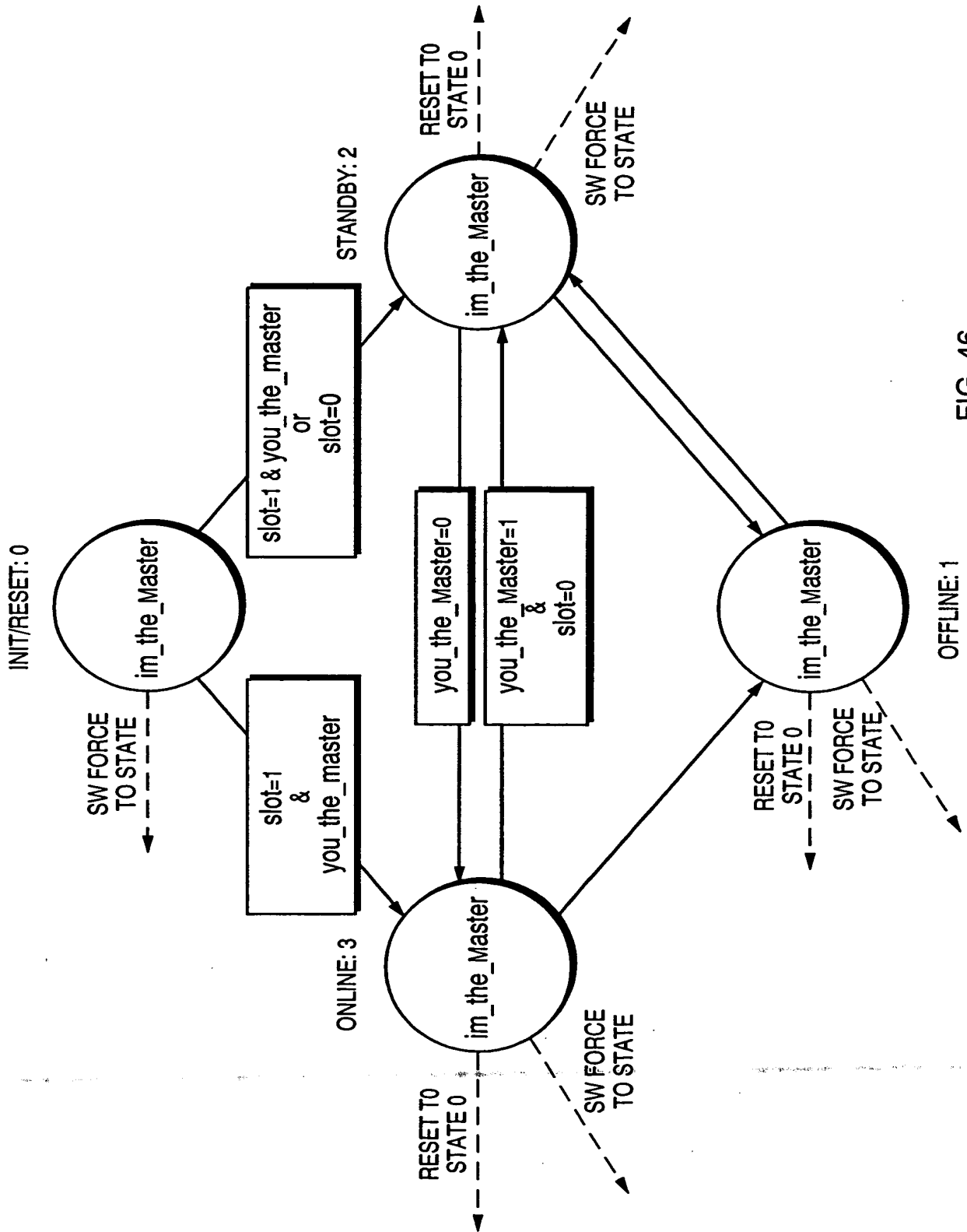


FIG. 46

LTS
665

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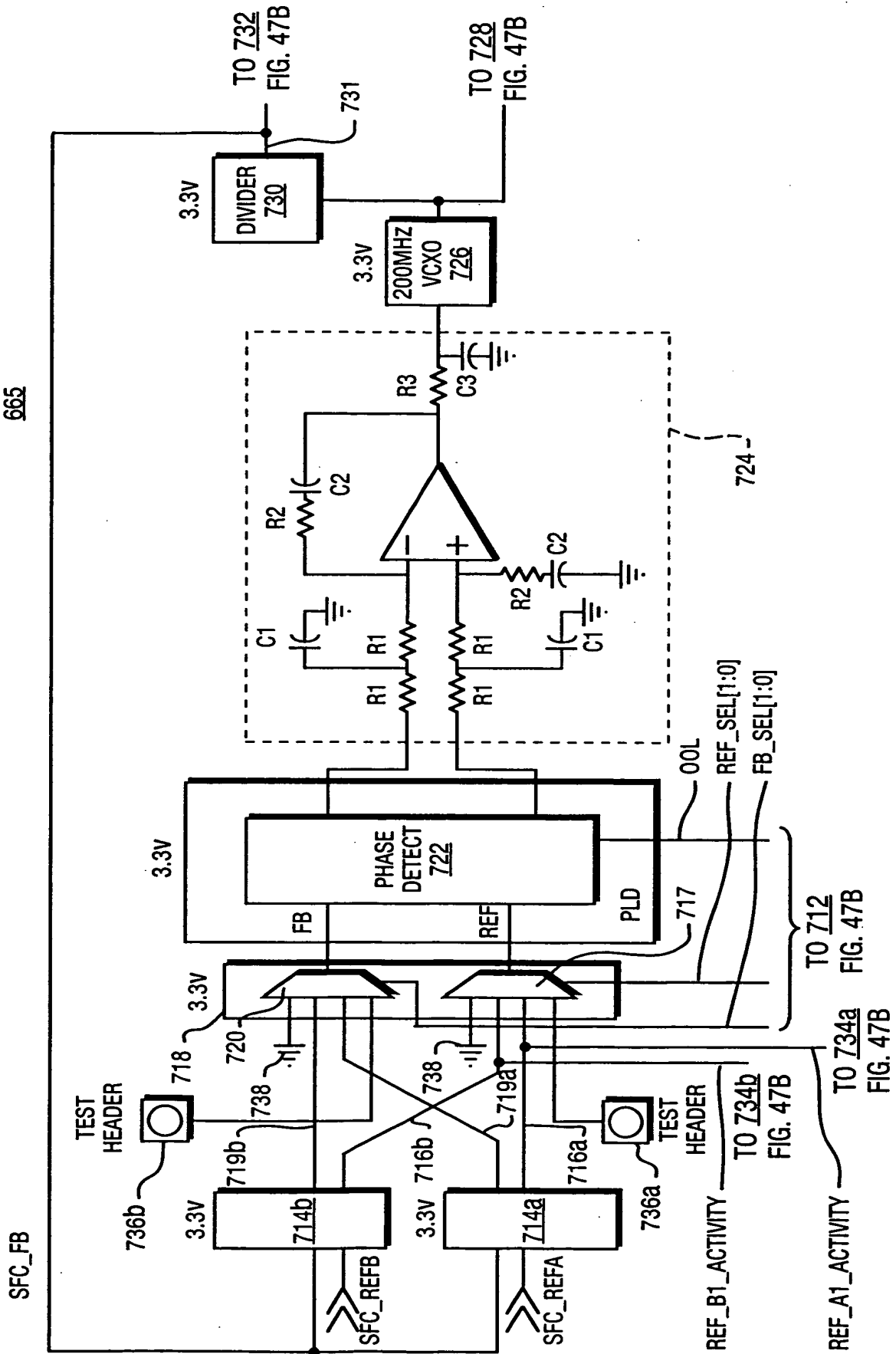


FIG. 47A

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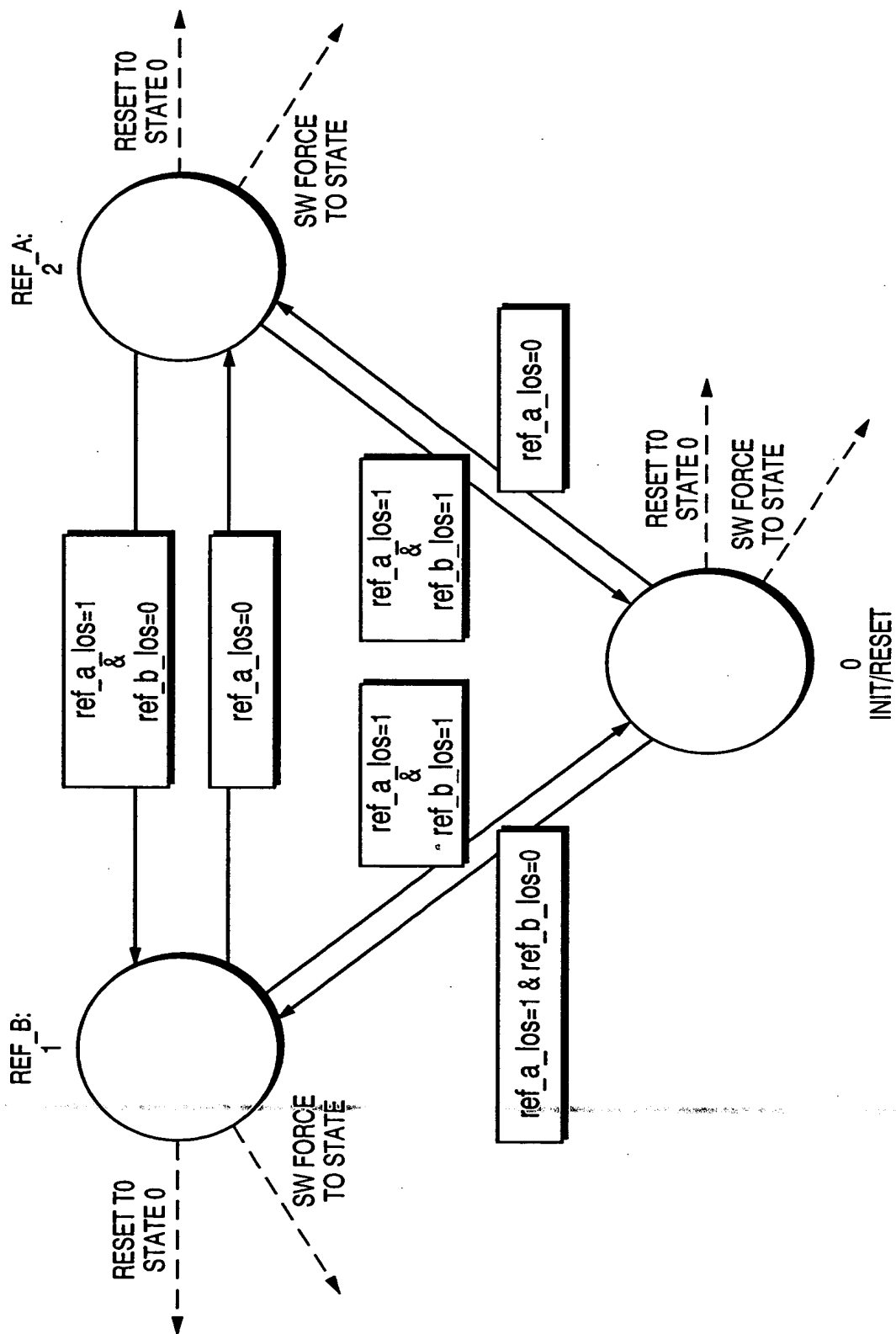


FIG. 48

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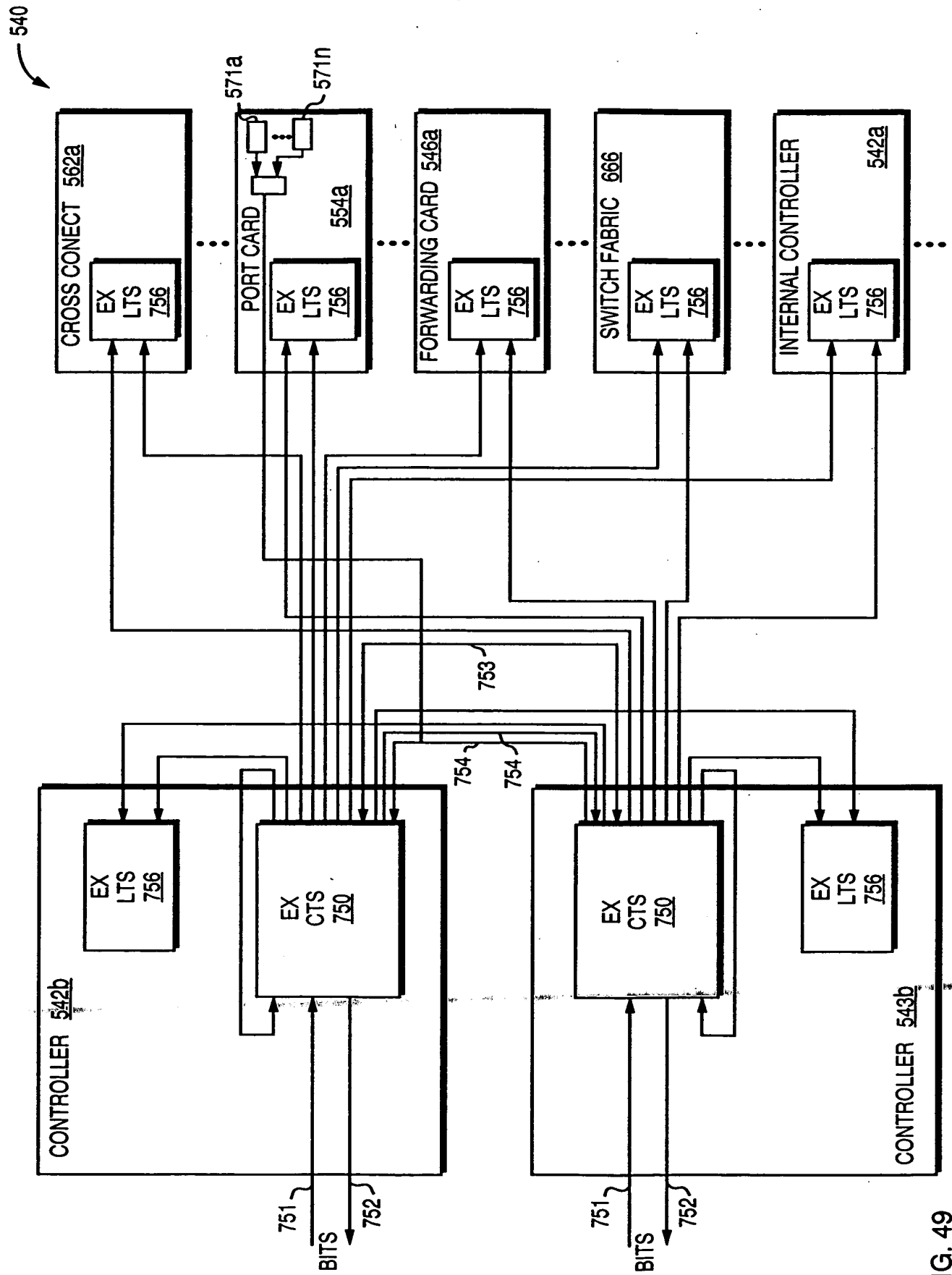


FIG. 49

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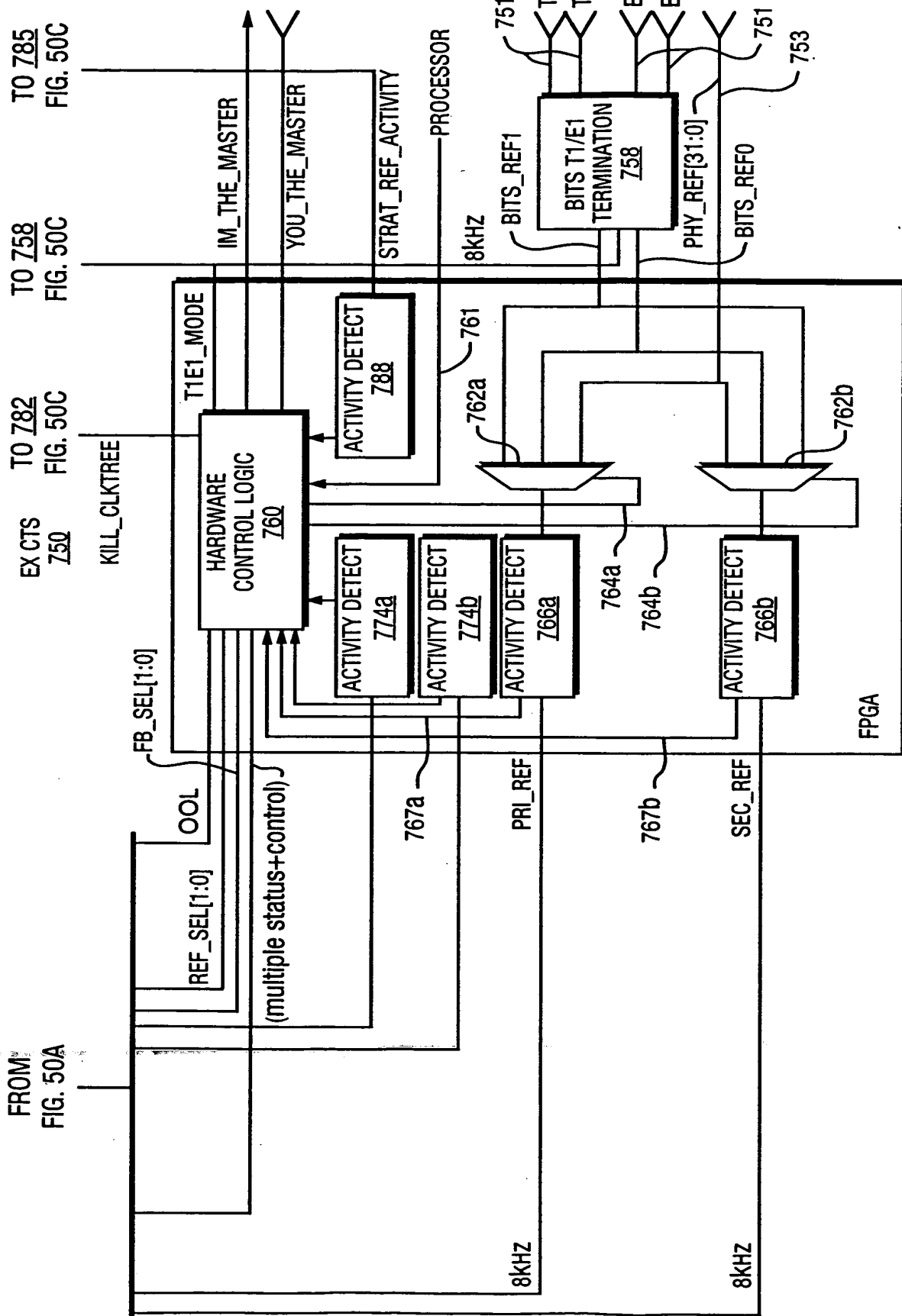


FIG. 50B

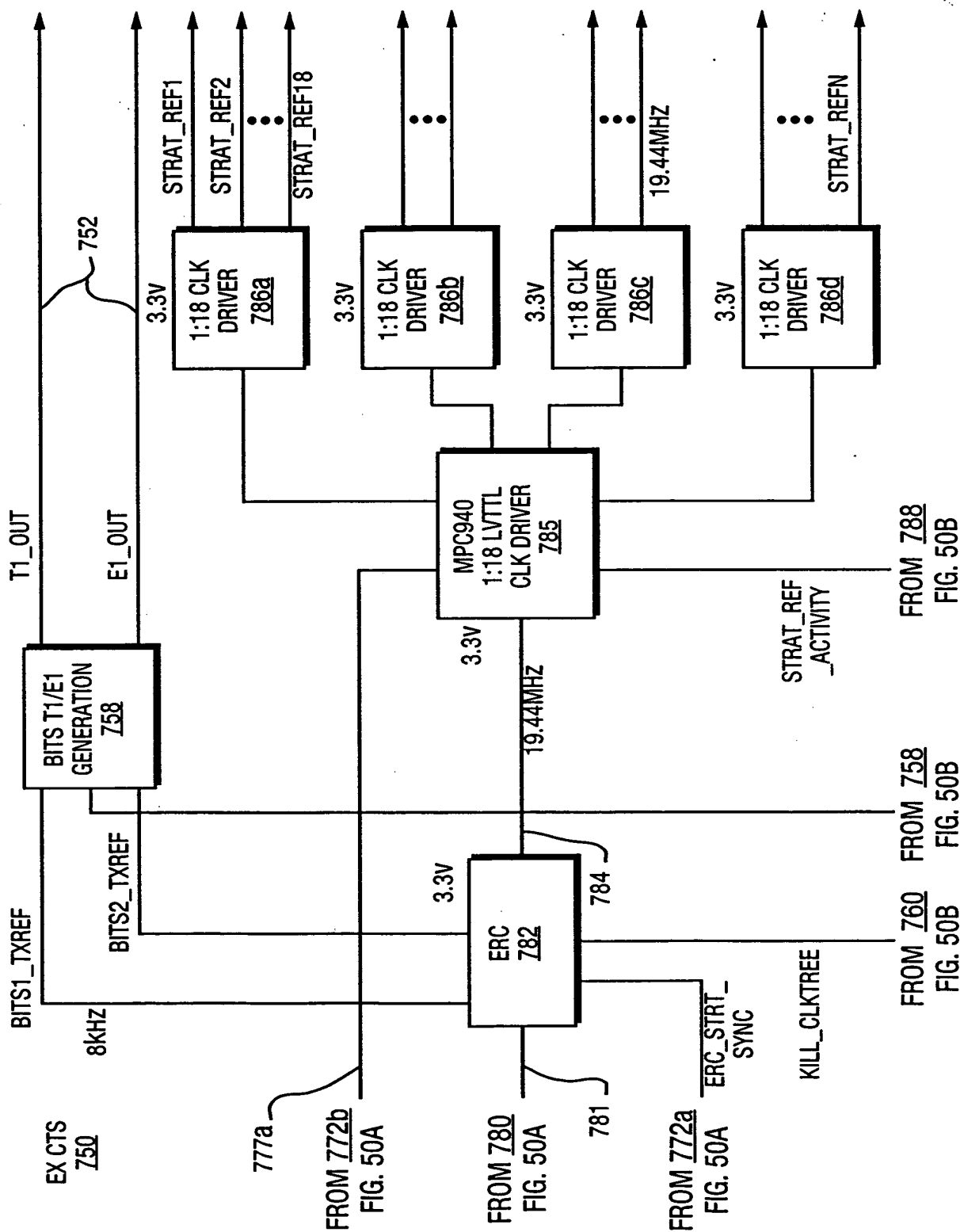


FIG. 50C

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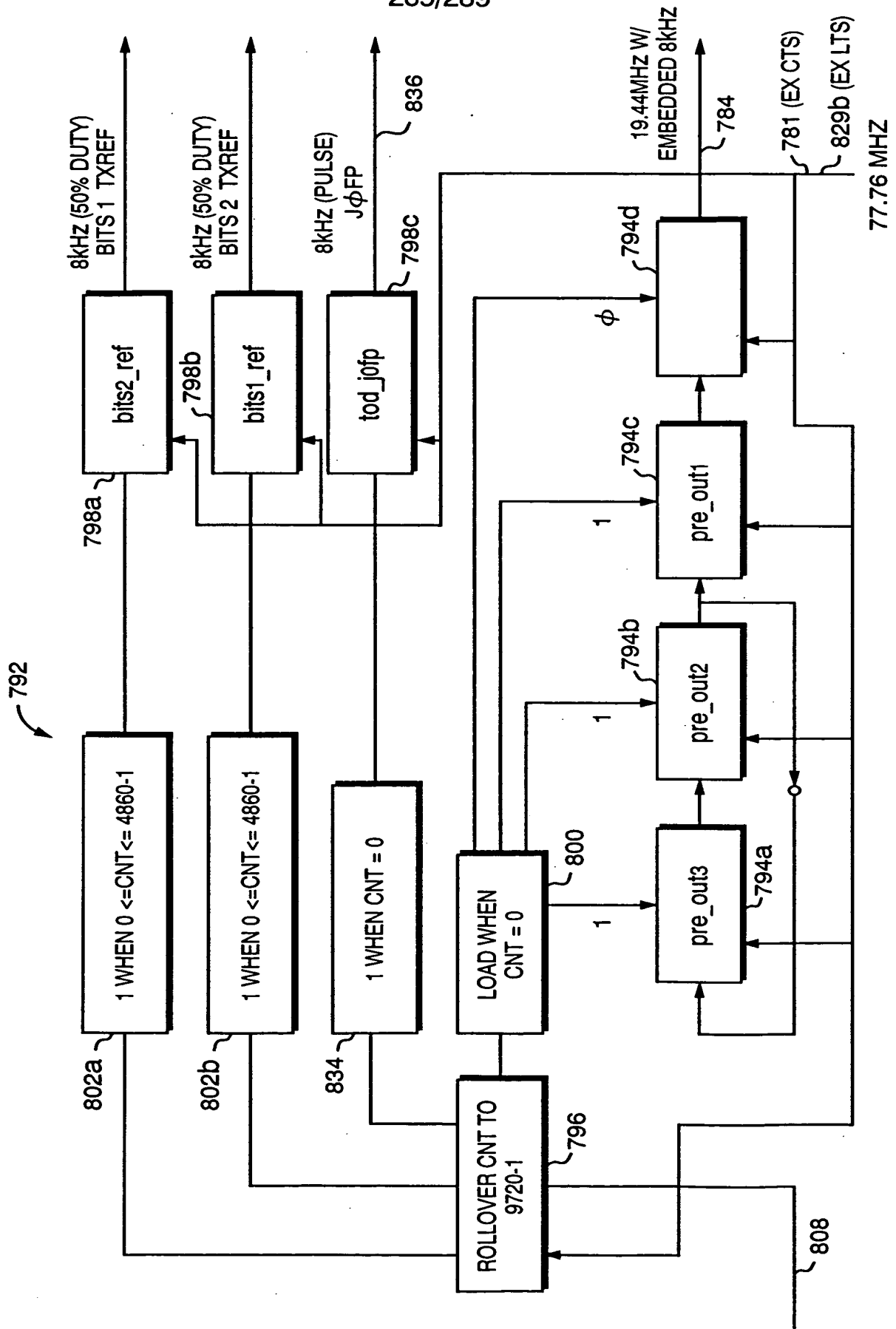
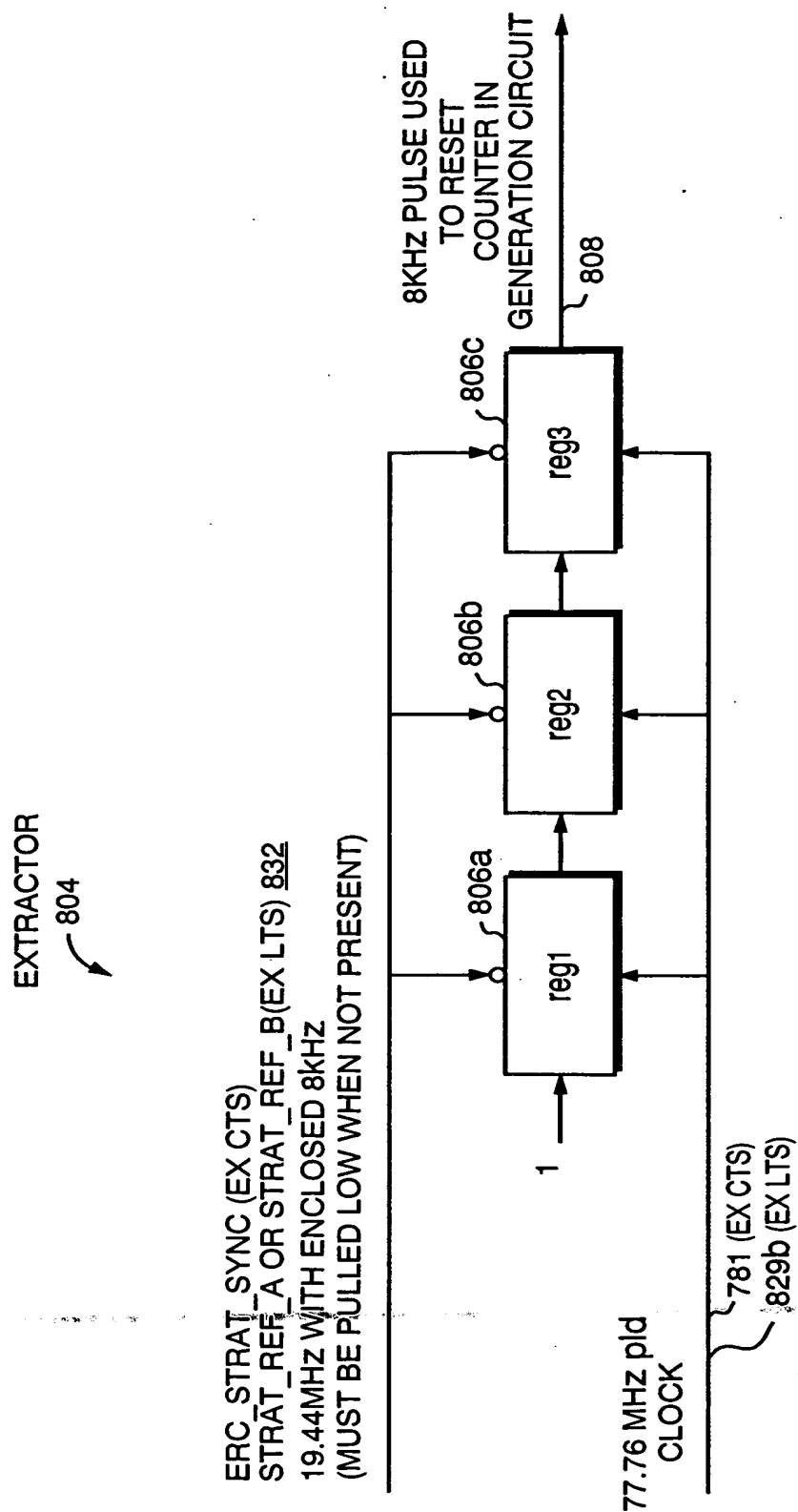


FIG. 52

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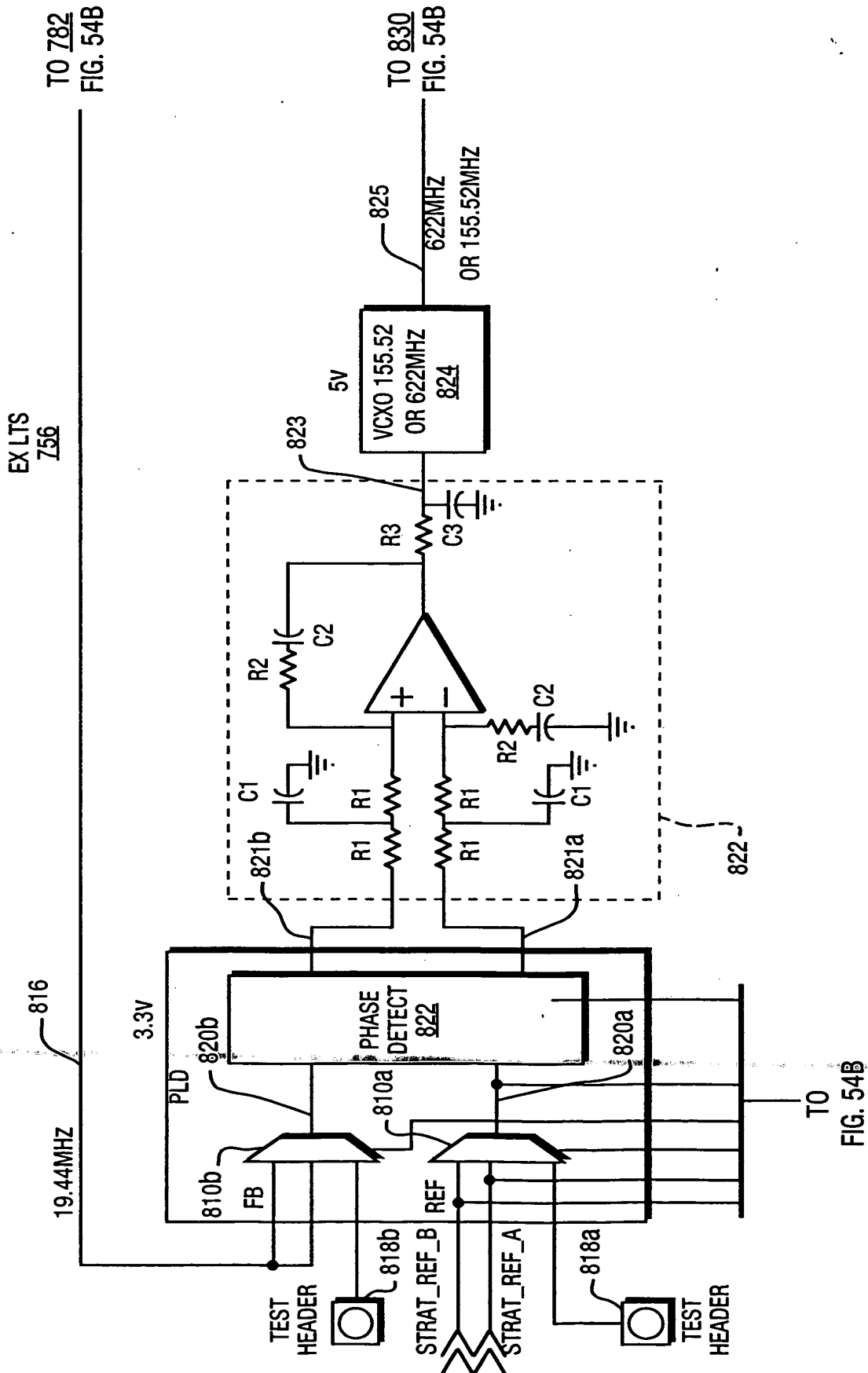


FIG. 54A

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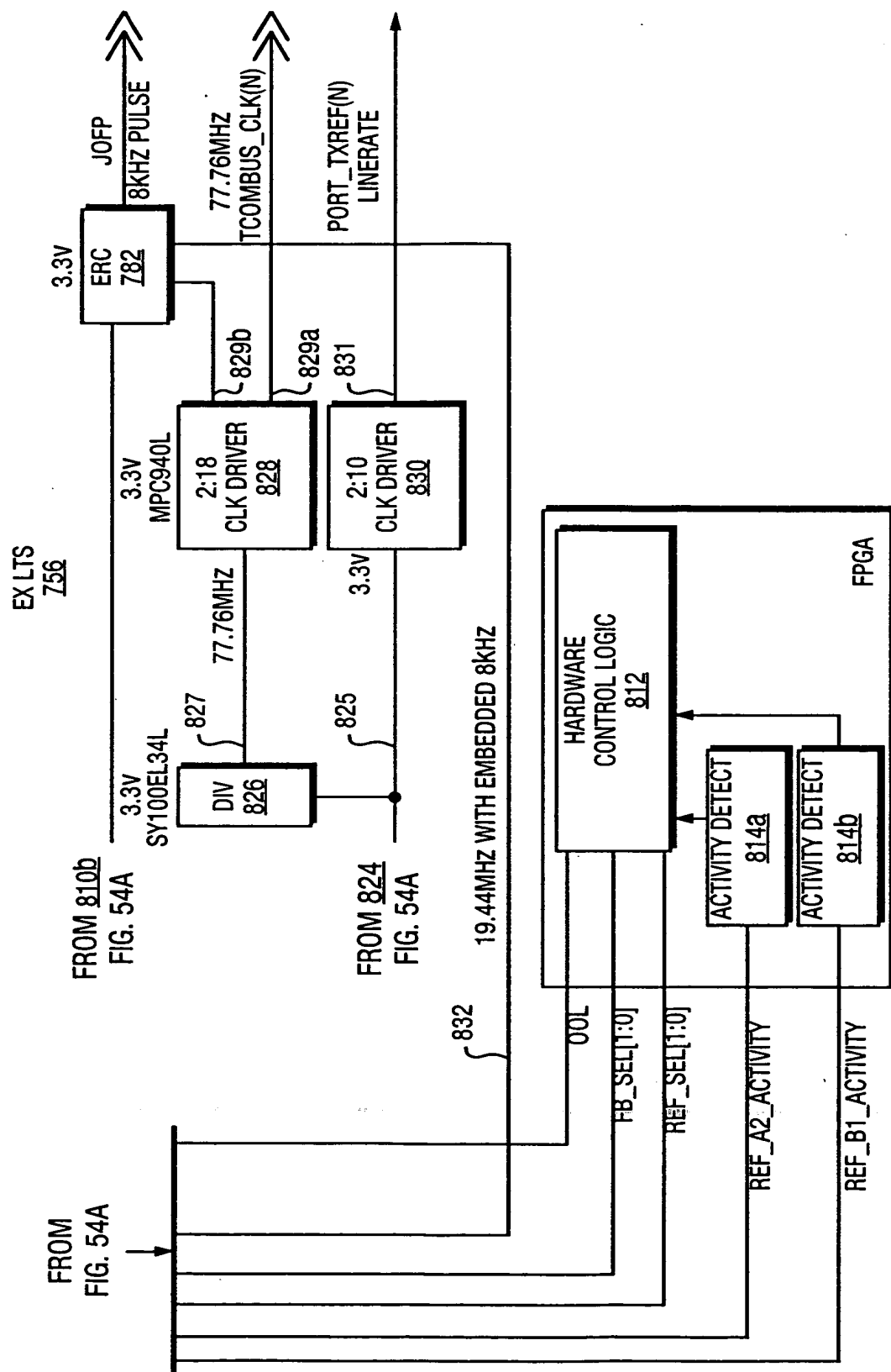


FIG. 54B

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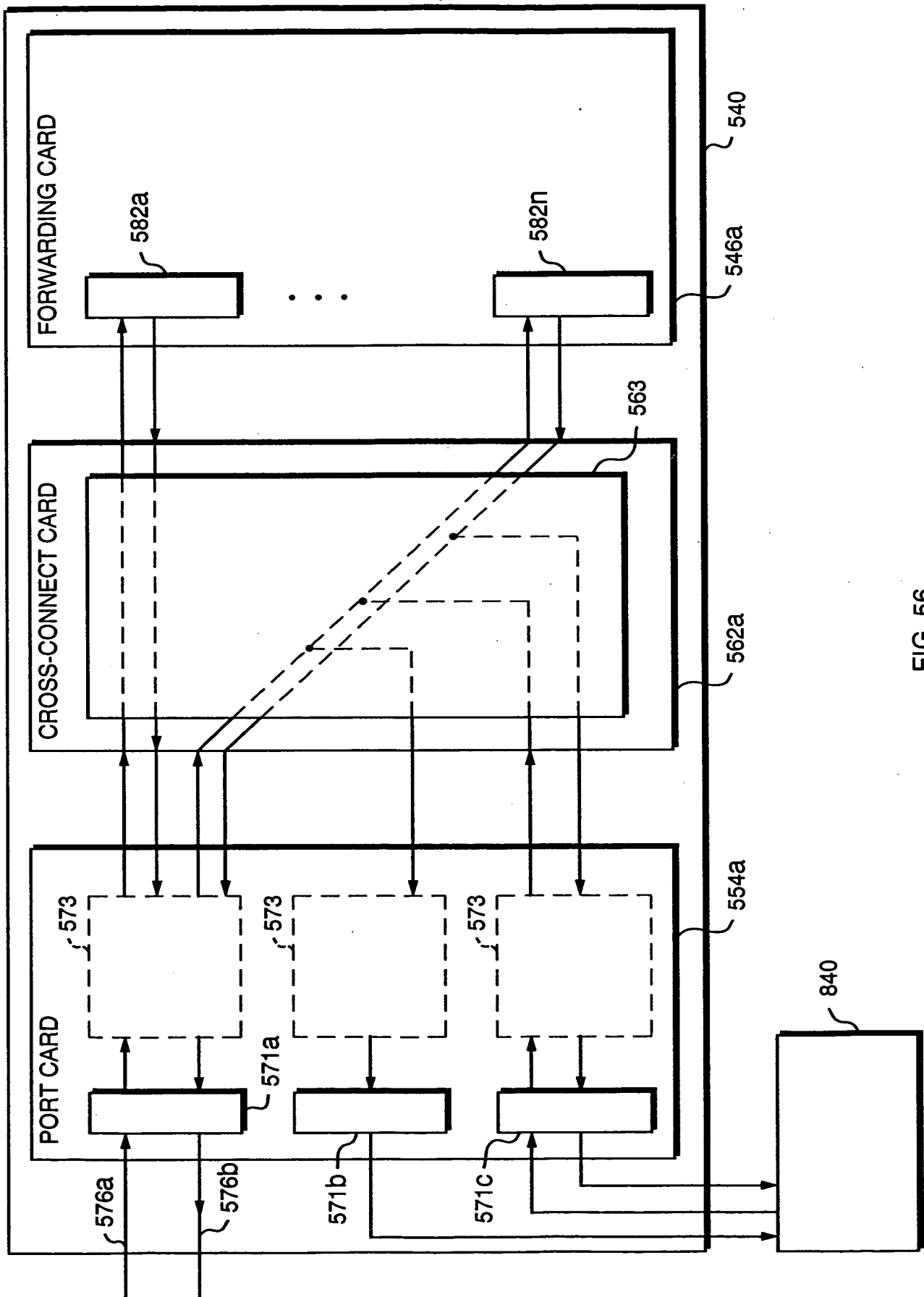


FIG. 56

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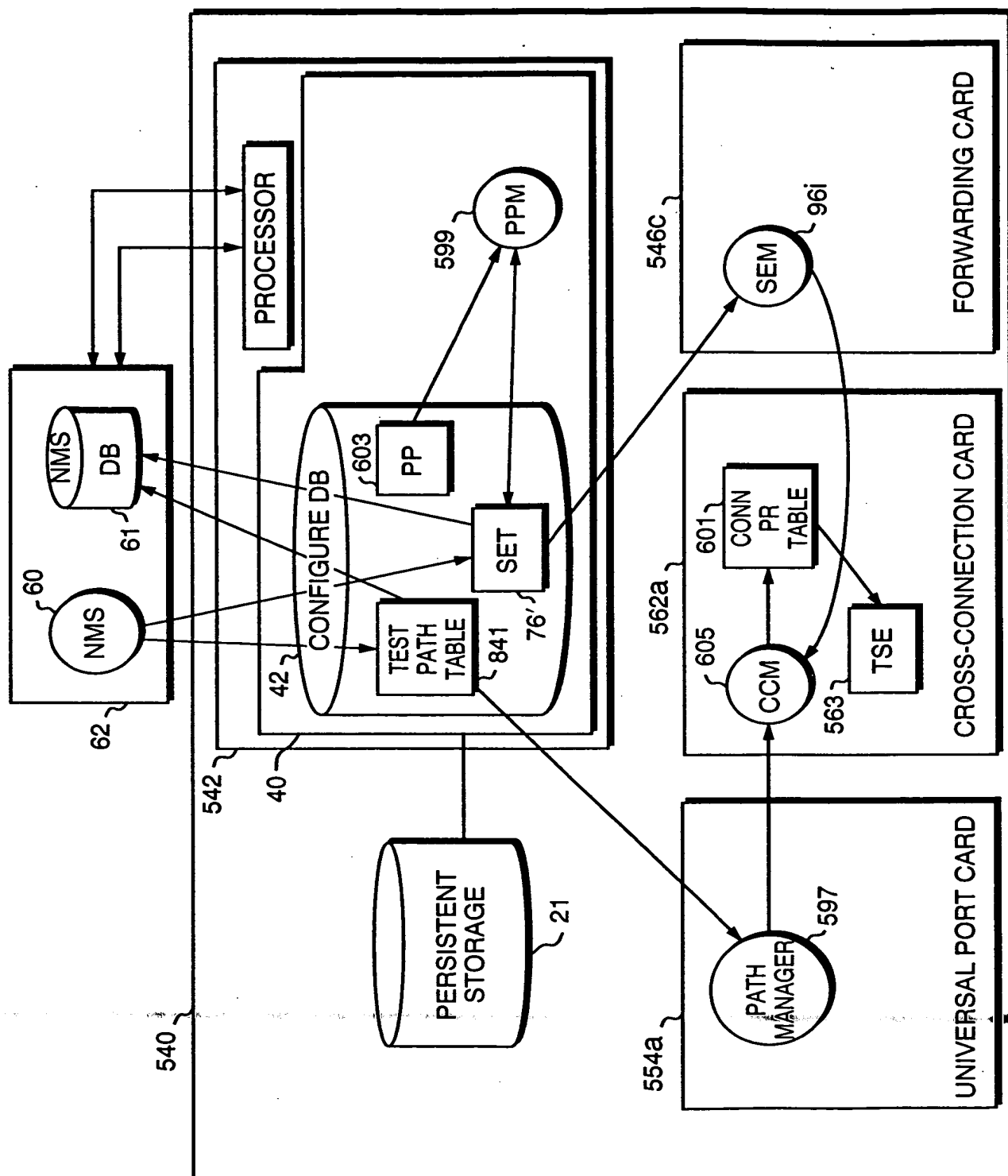


FIG. 57

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TEST PATH TABLE 841

842	843	844	845	844					...
				PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	MONITOR	
				1666	1232	4	3	INGRESS	
				1666	1233	4	3	EGRESS	
842	843	844	845	1666	1233	4	3	INGRESS	YES
					
					

FIG. 58

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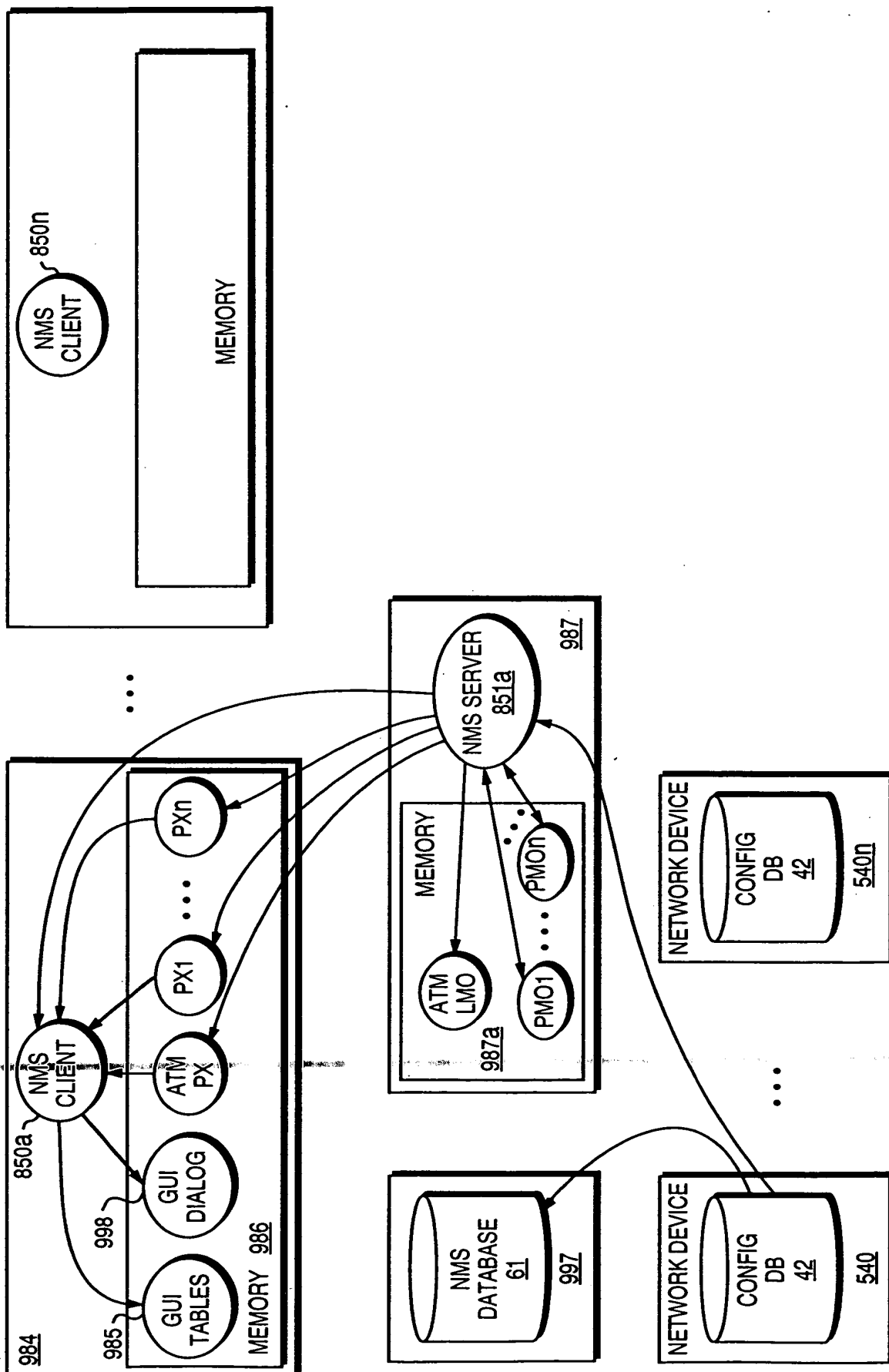


FIG. 59

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MANAGED DEVICE TABLE 983

983b	PID	A1	...	An	983a
	1				

FIG 60A

CHASSIS TABLE 988

988b	PID	A1	...	An	MANAGED DEVICE PID	988c
	1				1	988a
:						
:						
:						

FIG 60B

SHELF TABLE 989

989a	PID	A1	...	An	CHASSIS PID	989b
	3				2	
	4				2	
:						
:						
:						
	18				2	

FIG 60C

SLOT TABLE 990

990a	PID	A1	...	An	SHELF PID	990b
990c	20				3	
	21				3	
:						
:						
990d	116				18	

FIG 60D

CARD TABLE 47'

FIG 60EFIG 60F

SONET PATH TABLE 600'FIG. 60G

		76c	76d	76e	76b		
76a	SE LID	Q #	FC PID	FC SLICE PID	FC TIME SLOT	PATH LID	...
	3000					901	

FIG. 60H

ATM IF LID	ATM GROUP LID	SE LID	...
5054		3000	...
.
:	:	:	...
.

FIG. 60I

VIRTUAL ATM IF TABLE 993

LID	A1	...	An	ATM IF LID
7489				5054
.
.
.

FIG 60J

VIRTUAL CONNECTION TABLE 994

994a	LID	A1	...	An	VIR. ATM IF LID	994b
	
	
	

FIG 60K

VIRTUAL LINK TABLE 995

VIRTUAL LINK TABLE 995						
995a					995b	995c
LID	A1	...	An	VIR. CONN. LID	CROSS. CONN. LID	
.	
.	
.	

FIG 60L

CROSS-CONNECT TABLE 996

996a				996b		996c
LID	A1	...	An	VIR. LINK1 LID	VIR. LINK2 LID	
.	
.	
.	

FIG 60M

ATM NODE TABLE 999

ATM NODE TABLE 999

999a	999b	LID	A1	...	An	MANAGED DEVICE PID	999c
		5000				1	

FIG 60N

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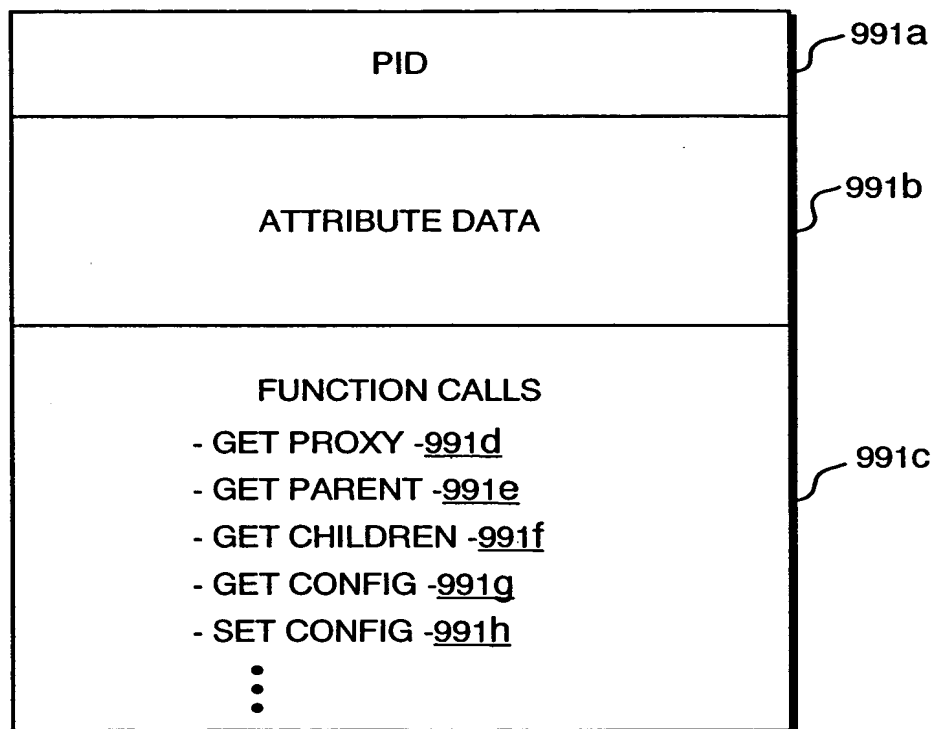
PHYSICAL MANAGED OBJECT 991

FIG. 61A

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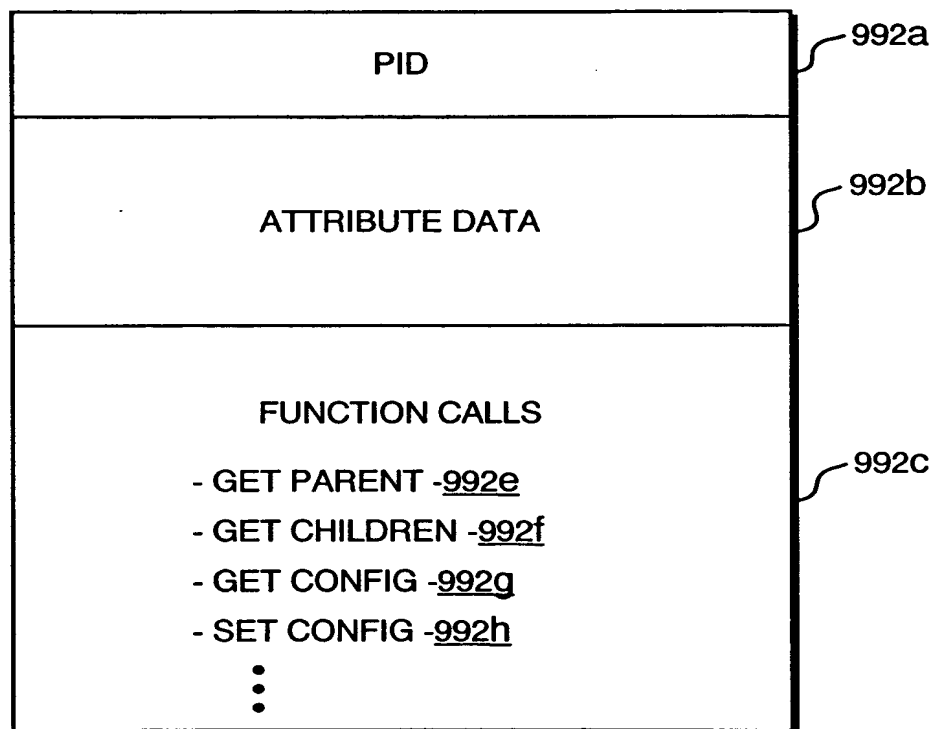
PROXY 992

FIG. 61B

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997

EvailNet Manager: Modify SONET Path - Shelf 11/Slot4/Port 1

System: 192.168.9.202

SONET Path Parameters

Path Name	Path1_11/4/1
Path Number	1
Path Width	STS-3c
Path Type	Terminated-ATM

Connection Information

Connected SONET Path

☒ None
☐ Specific

Paths...

ATM Interface Name

Modules

OK Cancel

998b 997a

FIG. 62

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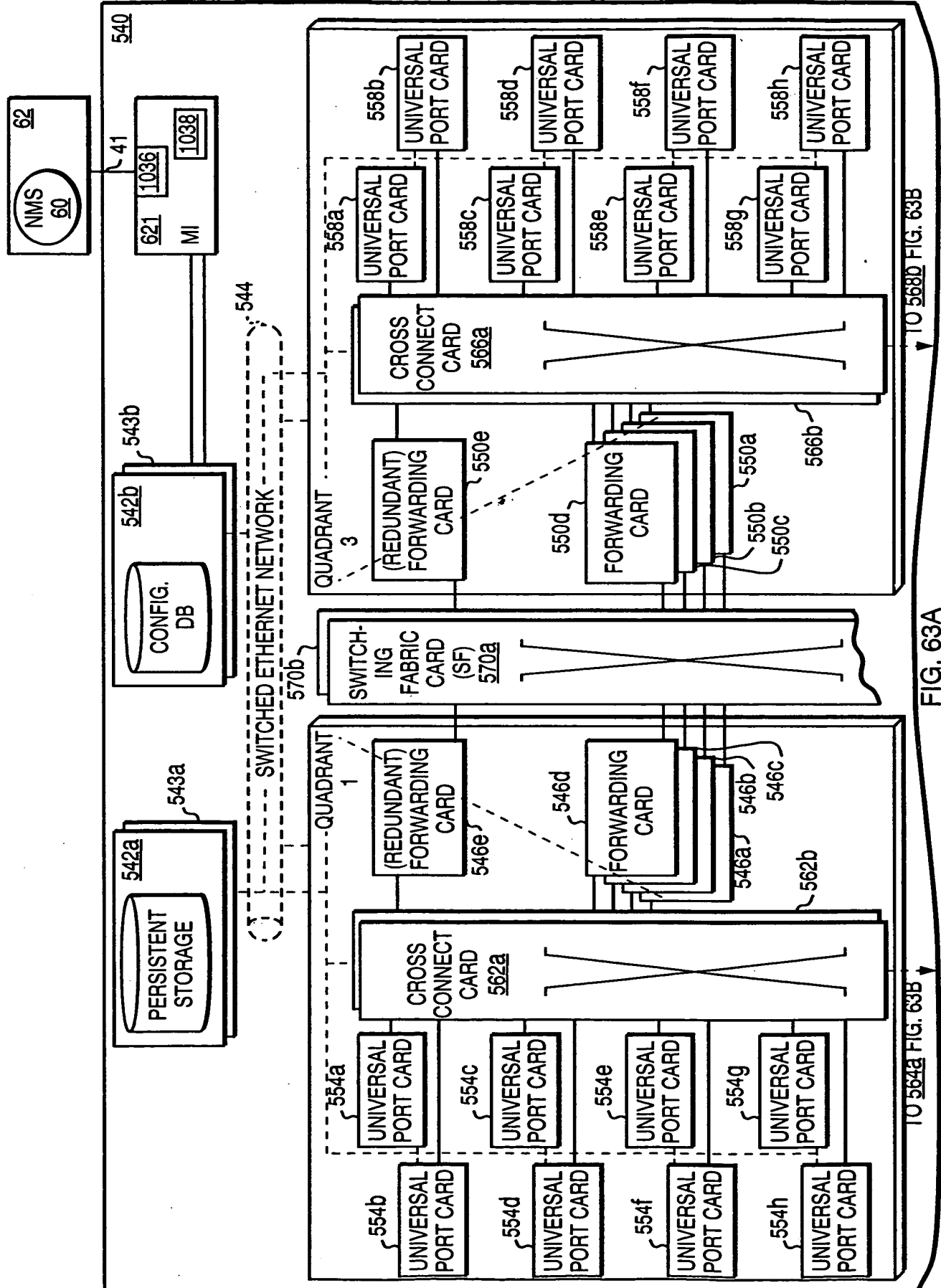


FIG. 63A

TO 564a FIG. 63B

TO 568d FIG. 63C

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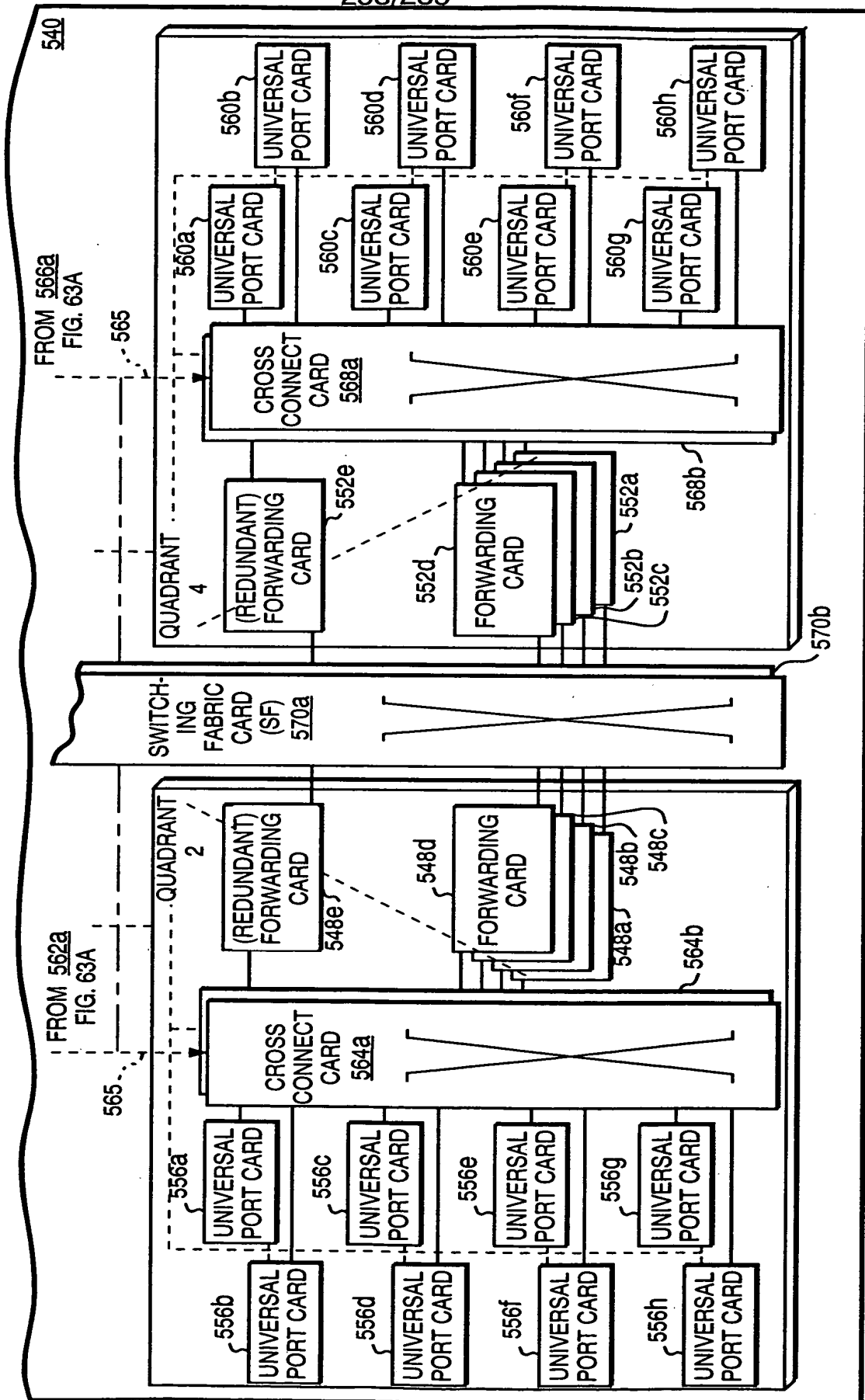


FIG. 63B

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ADMINISTRATION MANAGED DEVICE TABLE 1014'

1014a' {

LID	HOST ADDRESS	PORT ADDRESS	RETRY	TIMEOUT	ADMIN. PASSWORD	PROV. PASSWORD	VIEWER PASSWORD	PHYSICAL ID	PHYSICAL ID
9046	192.168.9.202	1521			TEAM 1	TEAM 2	TEAM 3		
.
.

1014e' { 1014f'

FIG. 64

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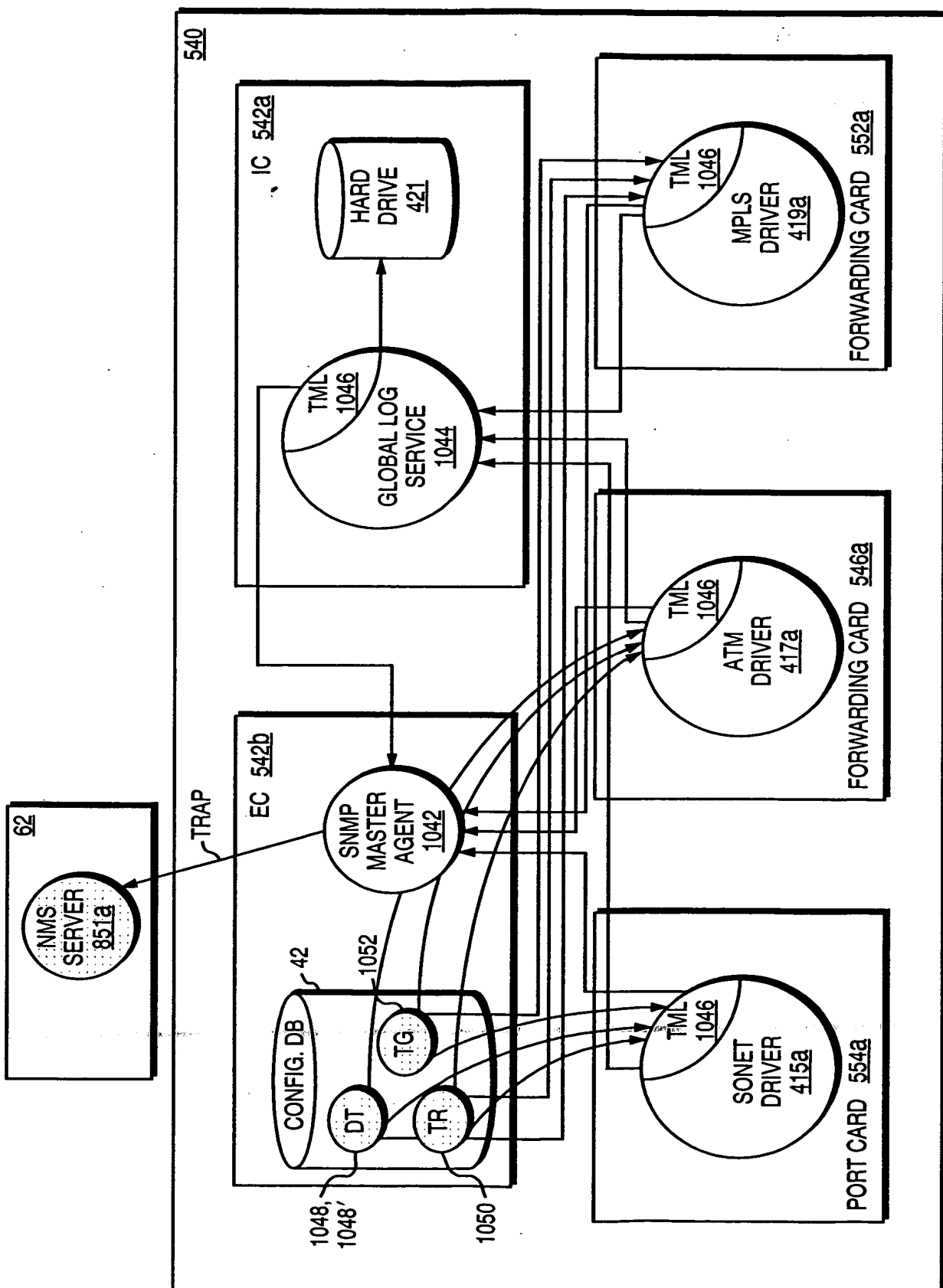


FIG. 65

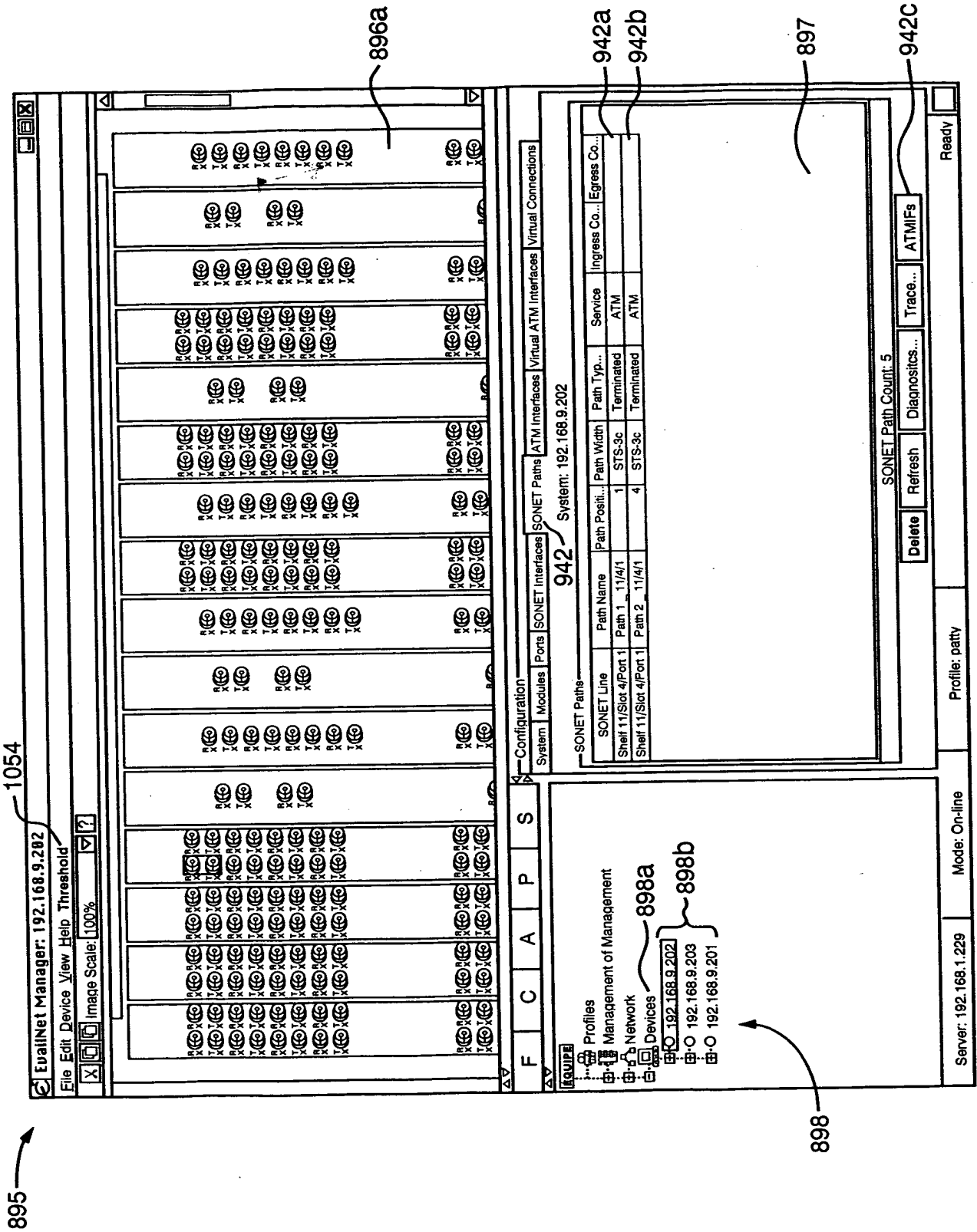


FIG. 66A

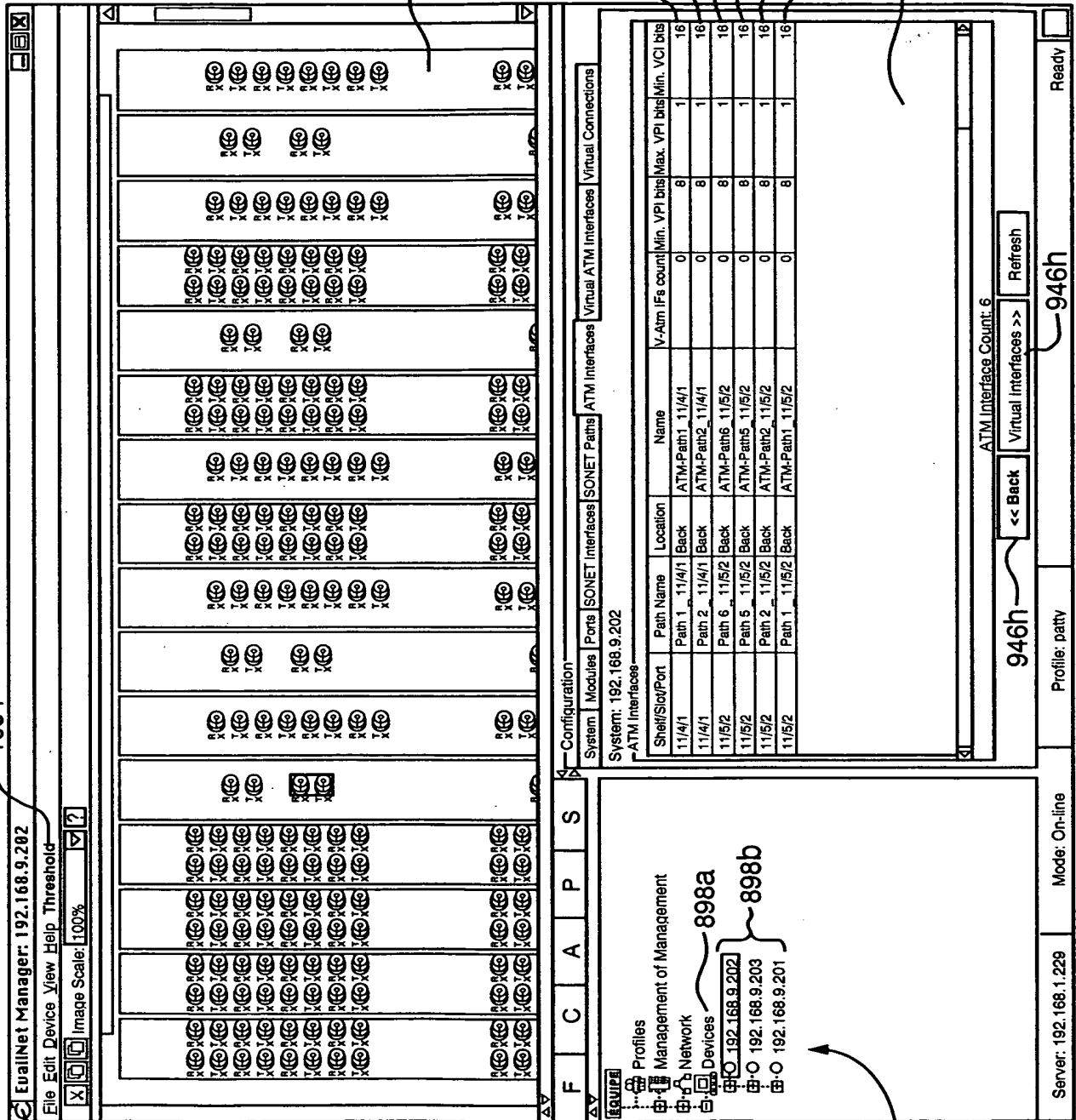


FIG. 66B

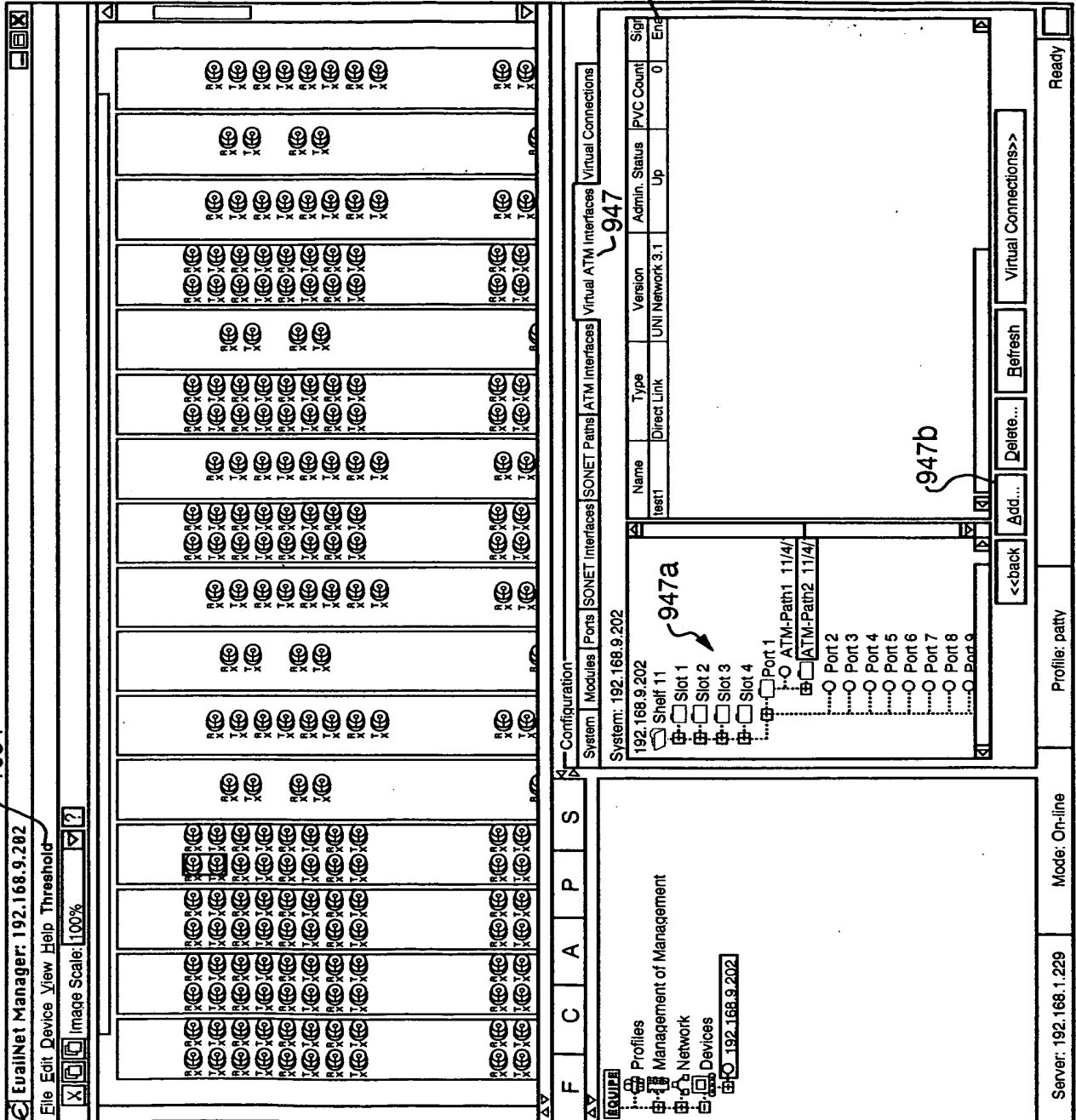
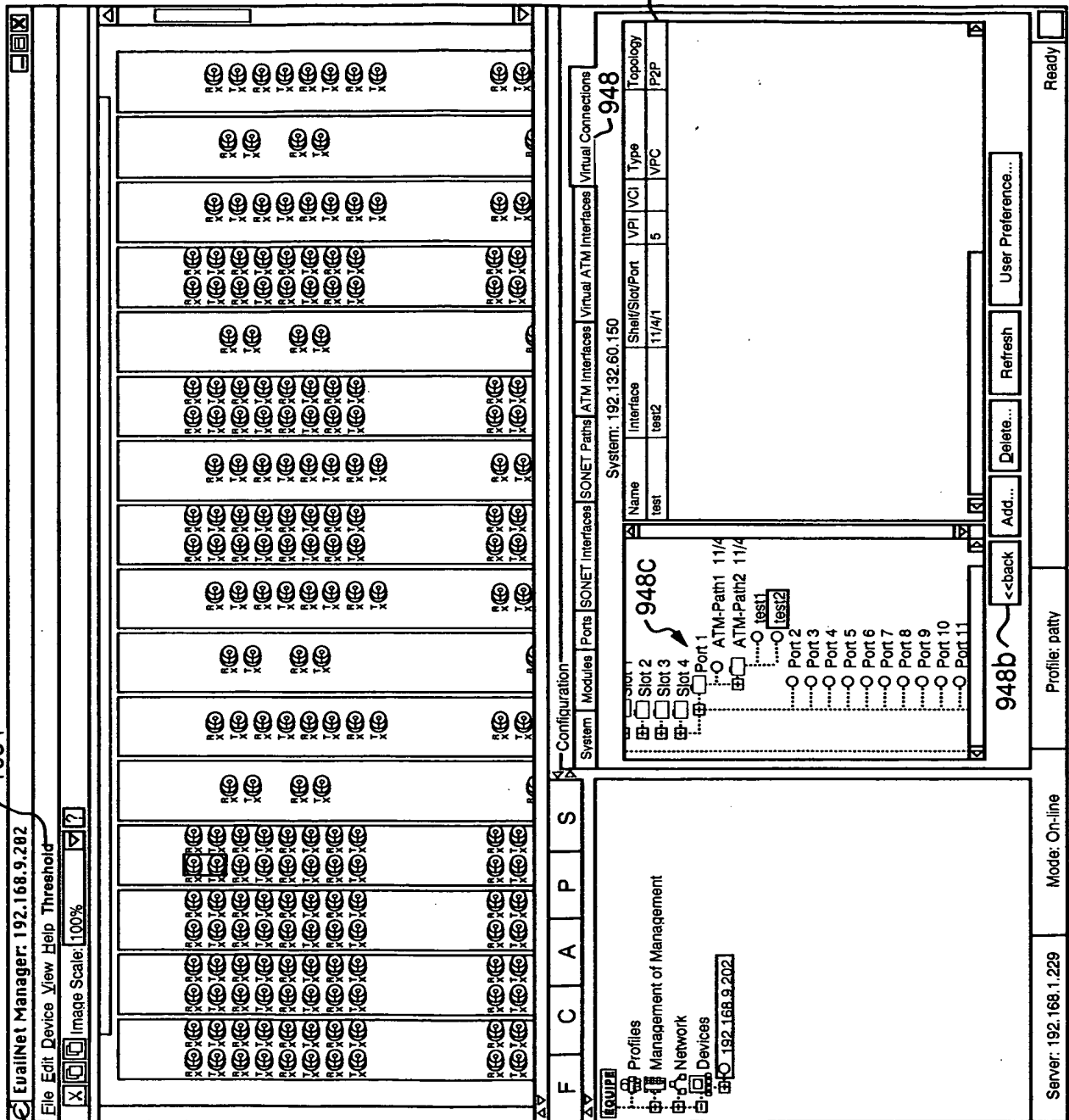


FIG. 66C



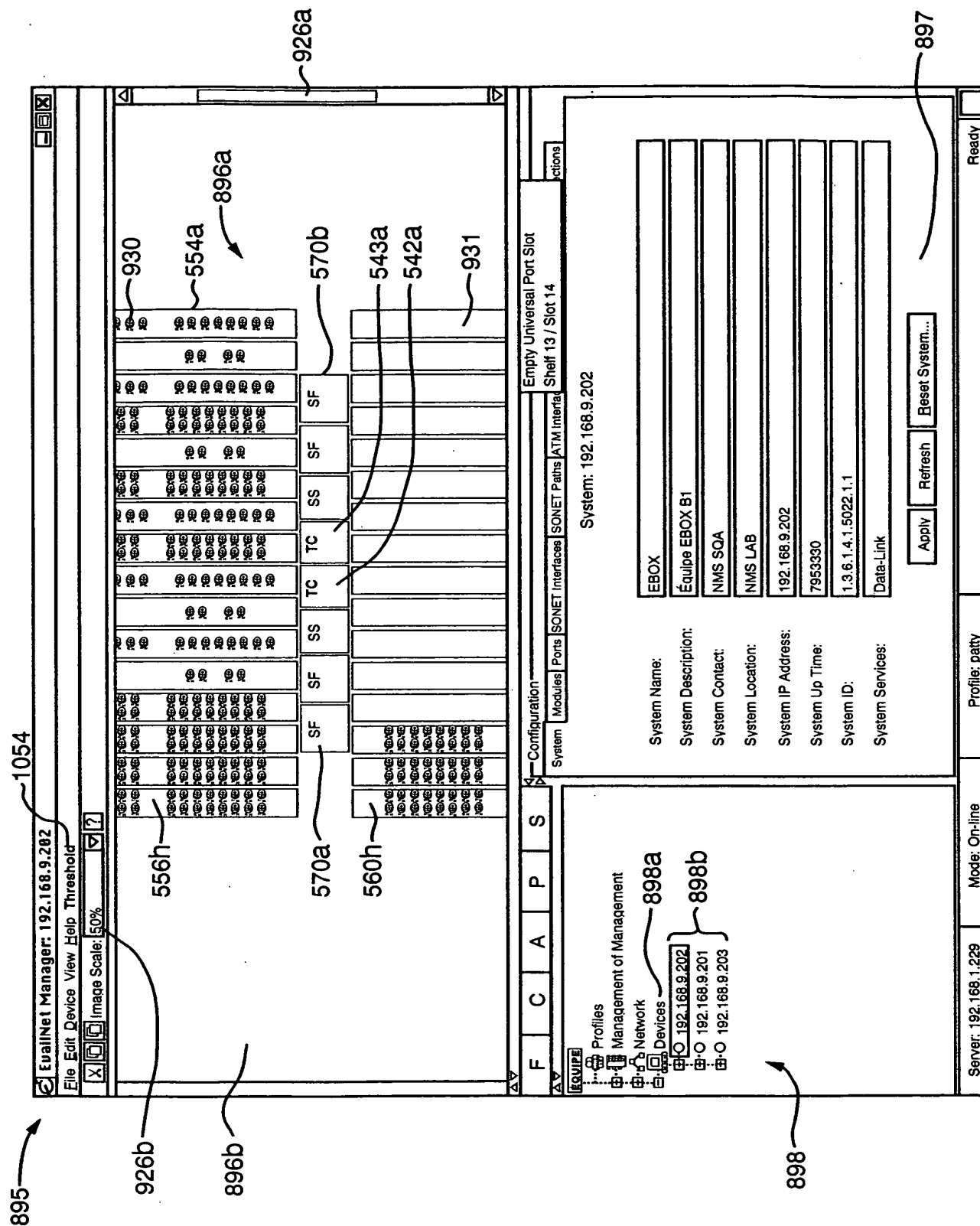


FIG. 66E

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1056

THRESHOLD DIALOG BOX

1056a	RESOURCE:	<div>1056j</div>	<div>1056f</div>
1056b	ATTRIBUTE:		
1056c	THRESHOLD RULE:	<div>1056k</div>	<div>1056g</div>
1056d	SAMPLING FREQUENCY:	<div>1056l</div>	<div>1056h</div>
1056e	ACTION:	<div>1056m</div>	<div>1056i</div>

1056o

☐ LOG

1056n

☐ NMS

1056p

OK

CANCEL

FIG. 67

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DYNAMIC THRESHOLD TABLE 1048

1048a RESOURCE ID	1048c ATTRIBUTE	1048d SAMPLING FREQ.	1048e ACTION	1048f RULE
901	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	IF ATTRIBUTE > 10
901	PATH ERRORS (PATH END)	15 min	TRAP	IF ATTRIBUTE < 5 OR > 10
901	PATH ERRORS (PATH END)	5 min	LOG & TRAP	IF ATTRIBUTE < 5 OR > 10
• • •	• • •	• • •	• • •	• • •
5054	FAILED CALL ATTEMPTS	10 min	TRAP	IF ATTRIBUTE > 8 BETWEEN 8:00am-7:00pm OR > 2 BETWEEN 7:00pm-8:00am
5054	HCS ERRORS	12 min	TRAP	IF ATTRIBUTE > 13
• • •	• • •	• • •	• • •	• • •
7312	RX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE < 4
7312	TX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE = 0
	• • •	• • •	• • •	• • •

FIG. 68

DYNAMIC THRESHOLD TABLE 1048'

1048a' { THR. GROUP LID	1048b' { RESOURCE	1048c' { ATTRIBUTE	1048d' { SAMPLING FREQ.	1048e' { ACTION	1048f' { RULE
8312	SONET PATH	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	IF ATTRIBUTE > 10
8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	IF ATTRIBUTE < 5 OR > 10
8312	SONET PATH	PATH ERRORS (FAR END)	5 min	LOG & TRAP	IF ATTRIBUTE < 5 OR > 10
.
8433	ATM IF	FAILED CALL ATTEMPTS	10 min	TRAP	IF ATTRIBUTE > 8 BETWEEN 8:00am-7:00pm OR > 2 BETWEEN 7:00pm-8:00am
8433	ATM IF	HCS ERRORS	12 min	TRAP	IF ATTRIBUTE > 13
.
8542	VIRTUAL CONN.	RX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE < 4
8542	VIRTUAL CONN.	TX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE = 0

FIG. 69A

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THRESHOLD GROUP TABLE 1052

1052a	RESOURCE ID	THRESHOLD GROUP LID	1052b
	901	8312	
	902	8313	
	903	8312	
	⋮	⋮	
	5054	8433	
	⋮	⋮	
	7312	8542	

FIG. 69B

DYNAMIC THRESHOLD TABLE 1048''

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1048a''	1048b''	1048c''	1048d''	1048e''	1048f''	1048g''	1048h''	1048i''	1048j''	1048k''	1048l''	1048t''
THR. GROUP LID	RESOURCE	ATTRIBUTE	SAMPLING FREQ.	ACTION	RULE LID	VARIAB. a	VARIAB. b	VARIAB. c	VARIAB. d	VARIAB. e	VARIAB. f	VARIAB. n
8312	SONET PATH	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	9421	10						
8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	9422	5	10					
8312	SONET PATH	PATH ERRORS (FAR END)	5 min	LOG & TRAP	9422	5	10					
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
8433	ATM IF	FAILED CALL ATTEMPTS	10 min	TRAP	9423	8	8:00am	7:00pm	2	7:00pm	8:00am	
8433	ATM IF	HCS ERRORS	12 min	TRAP	9421	13						
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
8542	VIRTUAL CONN.	RX TRAFFIC	1 HOUR	TRAP	9424	4						
8542	VIRTUAL CONN.	TX TRAFFIC	1 HOUR	TRAP	9425							
	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

1048u''

1048v''

FIG. 70A

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THRESHOLD RULE TABLE 1050

1050a	RULE LID	EXPRESSION	1050b
1050c	9421	IF ATTRIBUTE > a	
	9422	IF ATTRIBUTE < a OR > b	
	9423	IF ATTRIBUTE > a BETWEEN b-c OR > d BETWEEN e-f	
	9424	IF ATTRIBUTE < a	
	9425	IF ATTRIBUTE = 0	
	9426	RMON	
	9427	FOE	
	9428	IF ATTRIBUTE < a GO TO RULE LID b	
	⋮	⋮	

FIG. 70B

DYNAMIC THRESHOLD TABLE 1048'''

THR. GROUP LID	RESOURCE	ATTRIBUTE	SAMPLING FREQ.	ACTION	RULE LID	VARIAB. a	VARIAB. b	VARIAB. c	VARIAB. d	VARIAB. e	VARIAB. f	... n	ACTIVE/ INACTIVE
8312	SONET PATH	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	9421	10							
8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	9422	5	10						
8312	SONET PATH	PATH ERRORS (FAR END)	5 min	LOG & TRAP	9422	5	10						
:	:	:	:	:	:	:	:	:	:	:	:	:	:
8433	ATM IF	FAILED CALL ATTEMPTS	10 min	TRAP	9423	8	8:00am	7:00pm	2	7:00pm	8:00am		
8433	ATM IF	HCS ERRORS	12 min	TRAP	9421	13							
:	:	:	:	:	:	:	:	:	:	:	:	:	:
8542	VIRTUAL CONN.	RX TRAFFIC	1 HOUR	TRAP	9424	4							
8542	VIRTUAL CONN.	TX TRAFFIC	1 HOUR	TRAP	9425								
:	:	:	:	:	:	:	:	:	:	:	:	:	:
8588	HARD DRIVE	UNUSED DISK SPACE	5 min	LOG	9428	80	9424						ACTIVE
8588	HARD DRIVE	UNUSED DISK SPACE	30 sec	TRAP	9424	20							INACTIVE

FIG. 71

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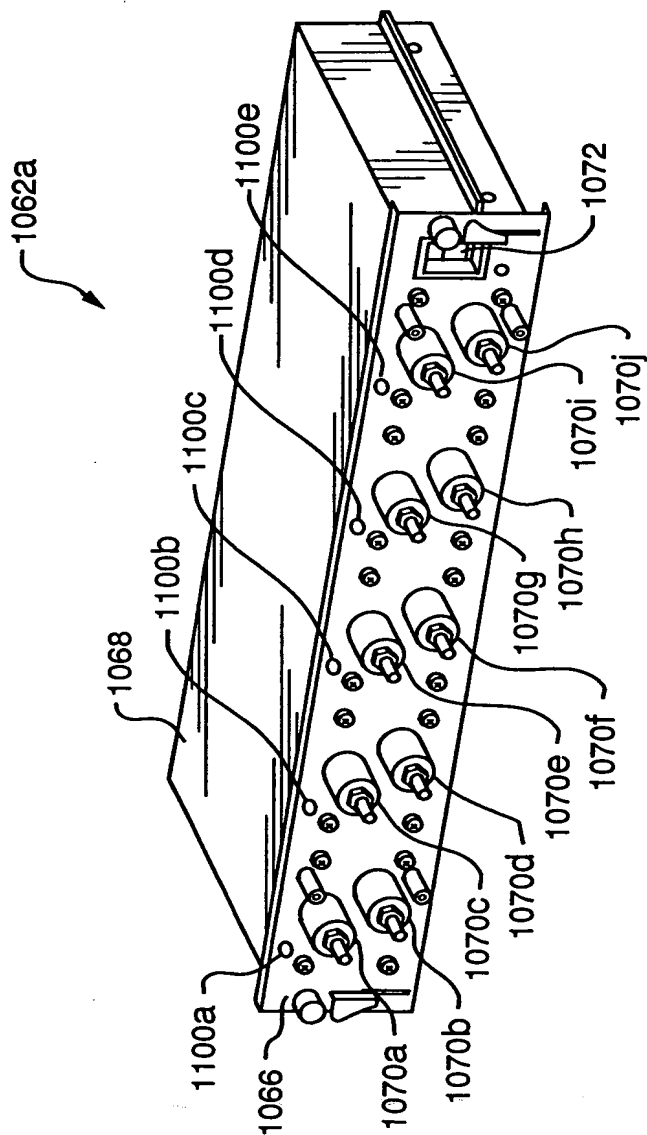


FIG. 72A

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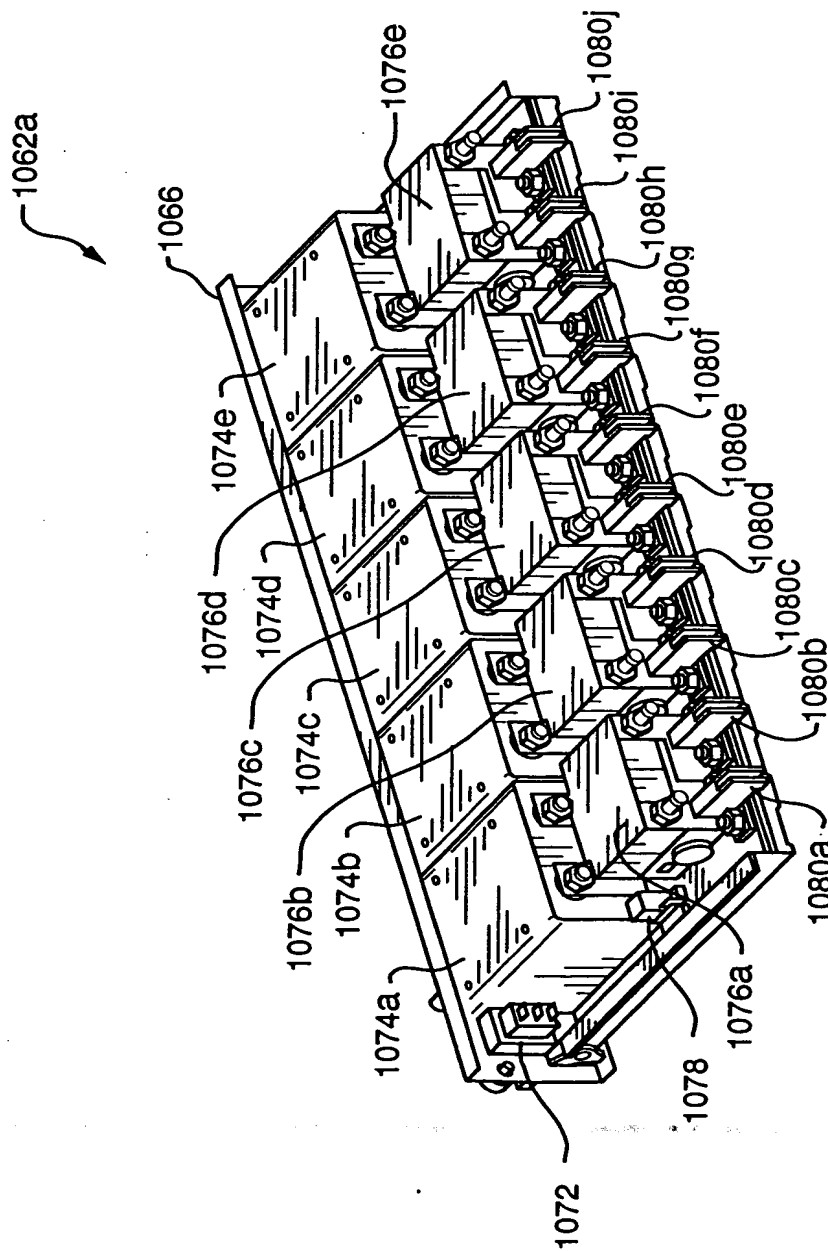
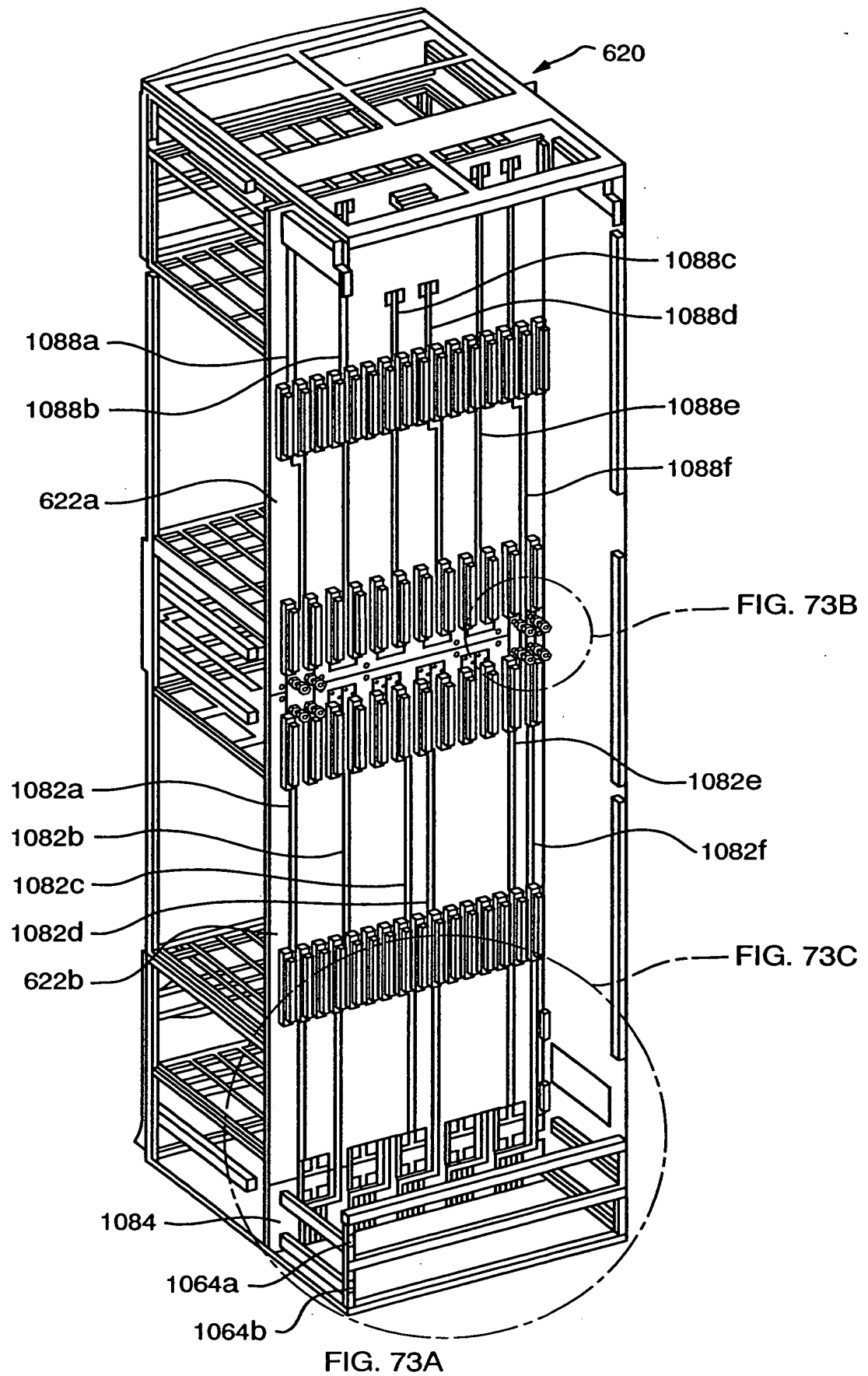


FIG. 72B

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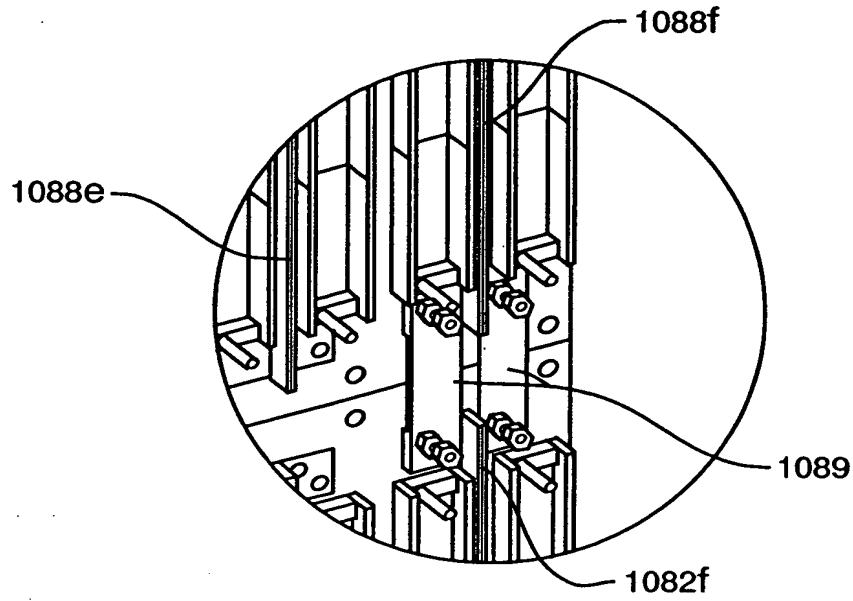


FIG. 73B

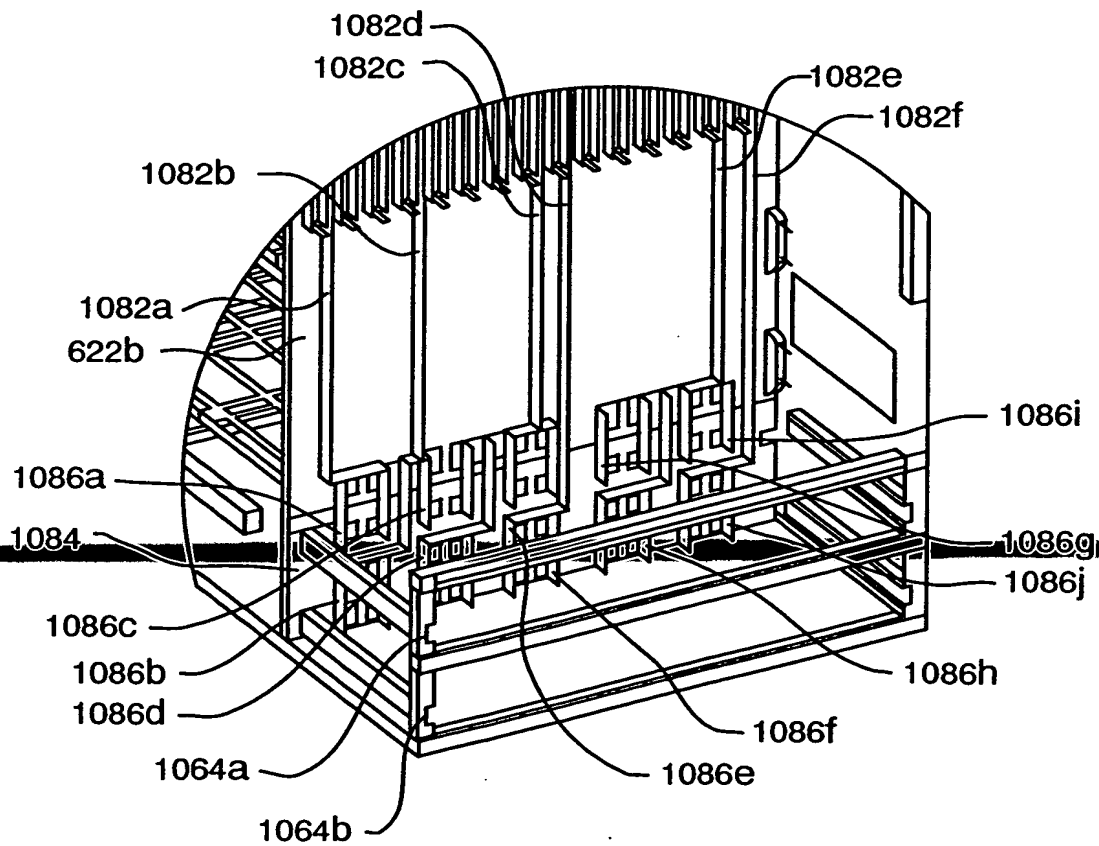


FIG. 73C

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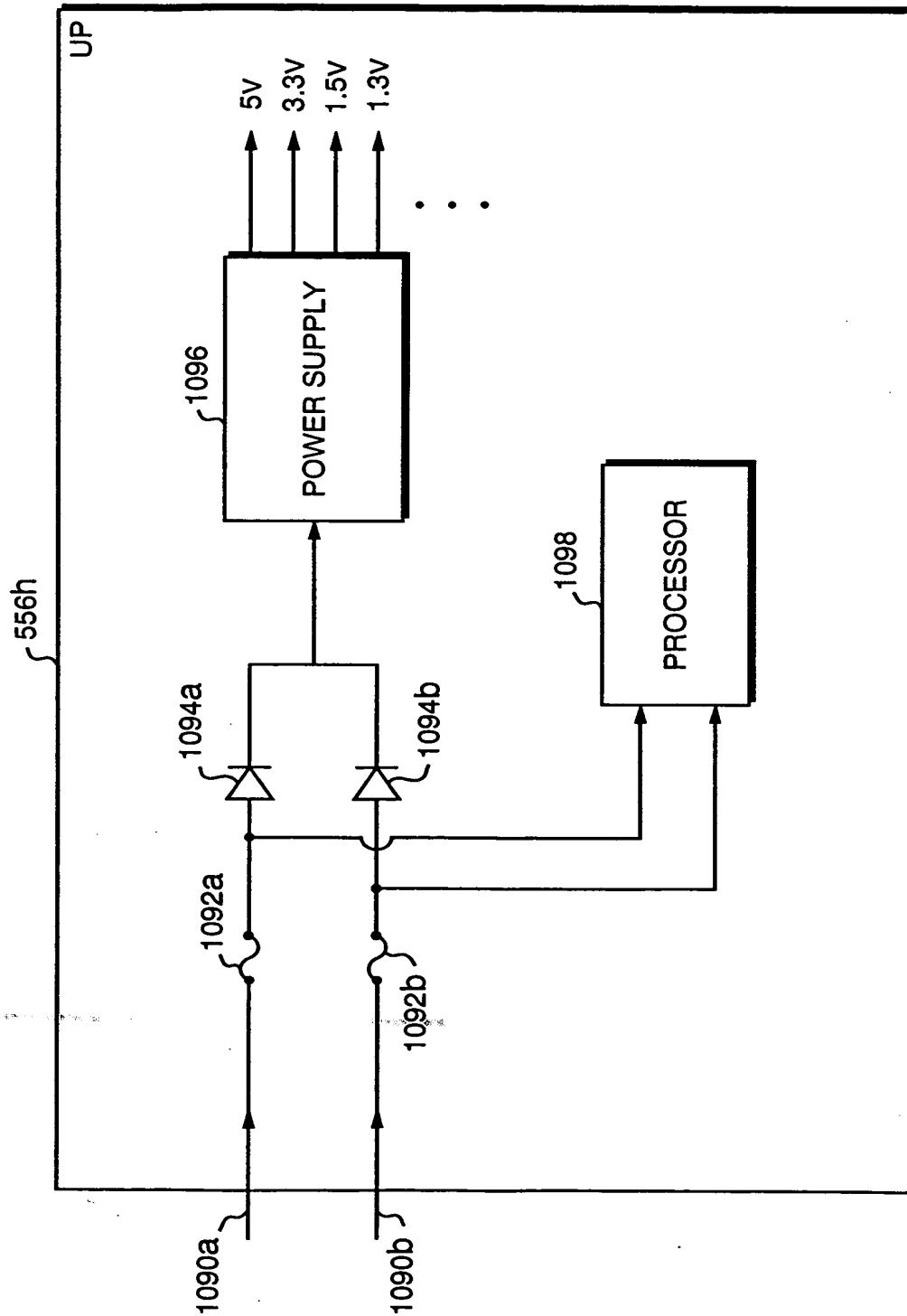


FIG. 74

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1102

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard

Source: 192.168.9.202 Destination: 192.168.9.202

End Point 1

Slot 4
Port 1
ATM-Path1_11/4/1
ATM-Path2_11/4/1
test1
test2
Port 2
Port 3
Port 4

End Point 1

Slot 3
Slot 4
Slot 5
Port 1
Port 2
ATM-Path1_11/5/2
test3
ATM-Path2_11/5/2
ATM-Path3_11/5/2

Connection Parameters

Connection Name: test

Admin Status: Up

Customer Name:

End Point 1 Parameters:

VPI: 1102e VPI Index

VCI:

Transmit Traffic Descriptor: VBR-high Add Traffic Descriptor...

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters:

VPI: 1102f VPI Index

VCI:

Transmit Traffic Descriptor: VBR-high Add Traffic Descriptors...

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

<<Back Finish Cancel

1102a

1102b

FIG. 75

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1102

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard

Source: 192.168.9.202 Destination: 192.168.9.202

End Point 1

Slot 4
Port 1
ATM-Path1_11/4/1
ATM-Path2_11/4/1
test1
test2
Port 2
Port 3
Port 4

End Point 1

Slot 3
Slot 4
Slot 5
Port 1
Port 2
ATM-Path1_11/5/2
test3
ATM-Path2_11/5/2
ATM-Path3_11/5/2

Connection Parameters

Connection Name: test

Admin Status: Up

Customer Name:

End Point 1 Parameters:

VPI: 1102e VPI/VCI Index

VCI: 1102g

Transmit Traffic Descriptor: VBR-high Add Traffic Descriptor...

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters:

VPI: 1102f VPI/VCI Index

VCI: 1102h

Transmit Traffic Descriptor: VBR-high Add Traffic Descriptors...

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

1102c

1102d

FIG. 76

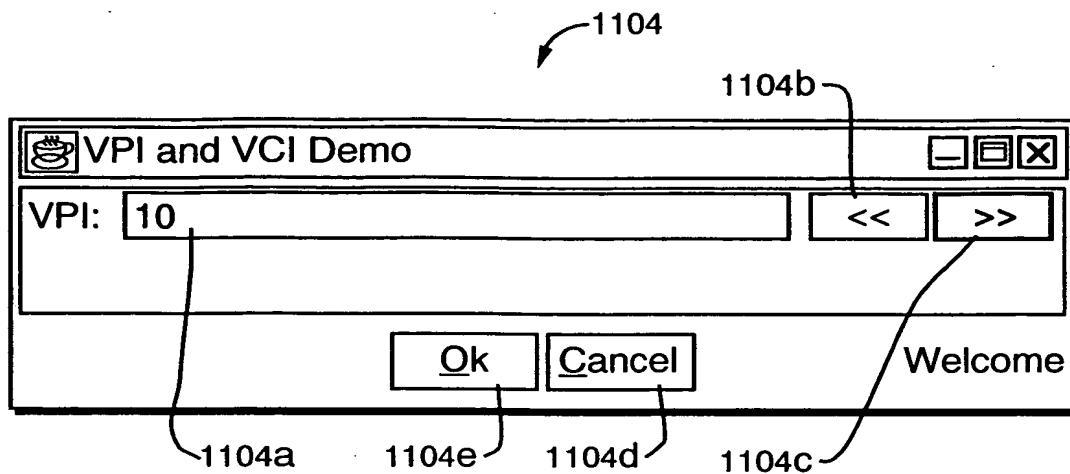


FIG. 77

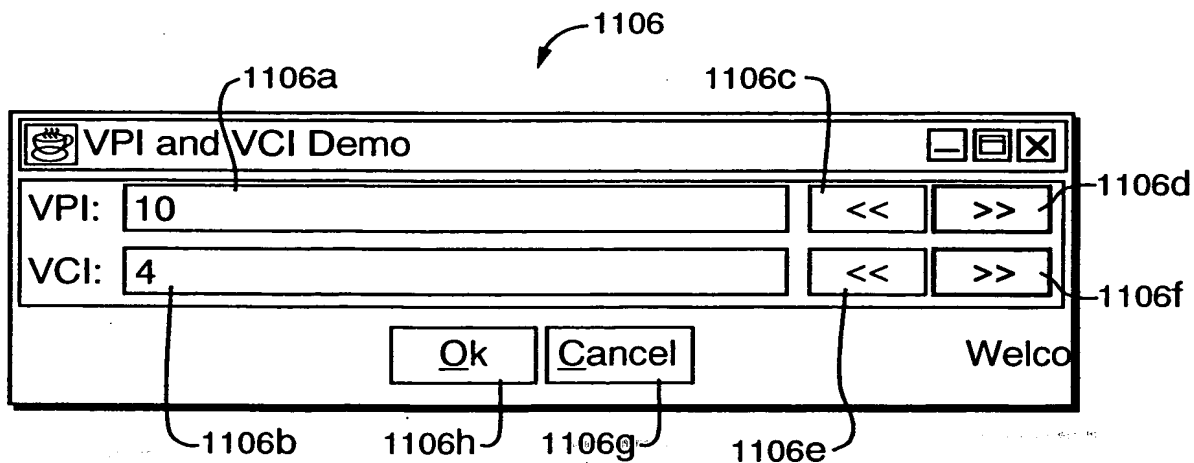


FIG. 78

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1102

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard

Source: 192.168.9.202 Destination: 192.168.9.202

End Point 1

Slot 4
Port 1
 ATM-Path1_11/4/1
 ATM-Path2_11/4/1
 test2
 test1
Port 2
Port 3
Port 4

End Point 1

Slot 3
Slot 4
Slot 5
Port 1
Port 2
 ATM-Path1_11/5/2
 test3
 ATM-Path2_11/5/2
 ATM-Path3_11/5/2

Connection Parameters

Connection Name: test

Admin Status: Up

Customer Name:

End Point 1 Parameters:

VPI: 1102e 1102j ☐ Use Any VPI Value

VCI: 1102g 1102i ☐ Use Any VCI Value

Transmit Traffic Descriptor: VBR-high 1102j

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters:

VPI: 1102f 1102j ☐ Use Any VPI Value

VCI: 1102h 1102i ☐ Use Any VCI Value

Transmit Traffic Descriptor: VBR-high 1102j

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

FIG. 79

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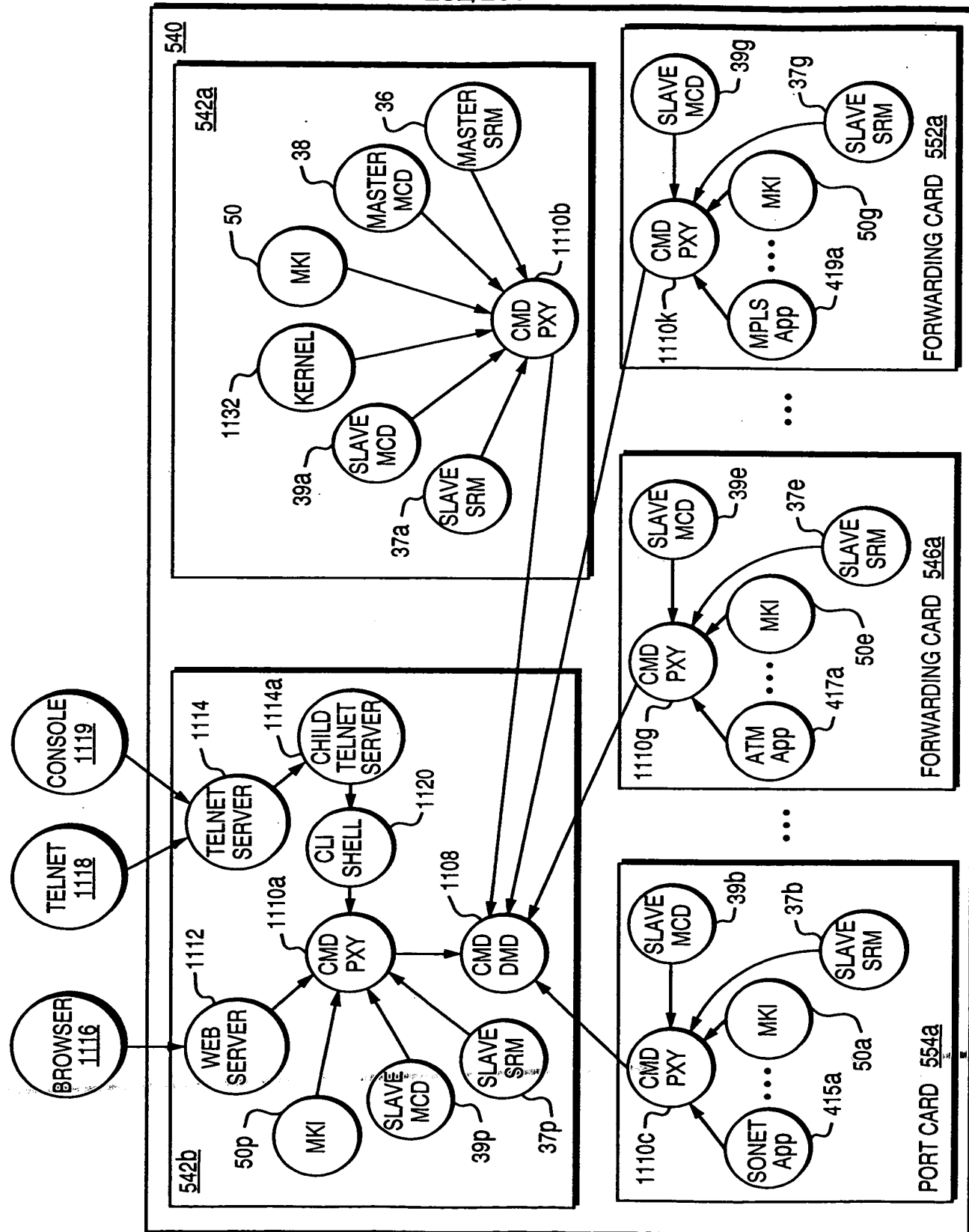


FIG. 80

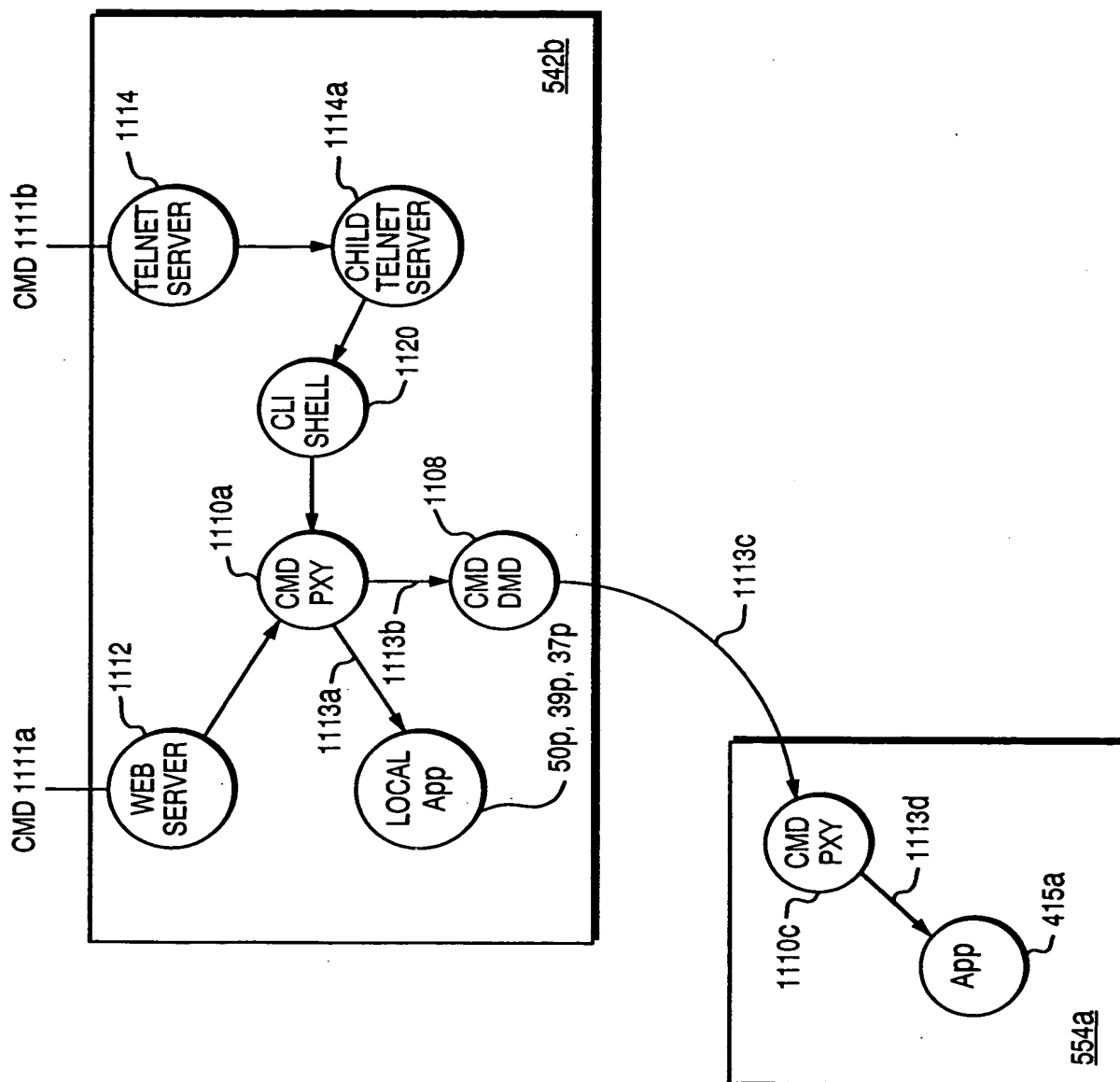


FIG. 81

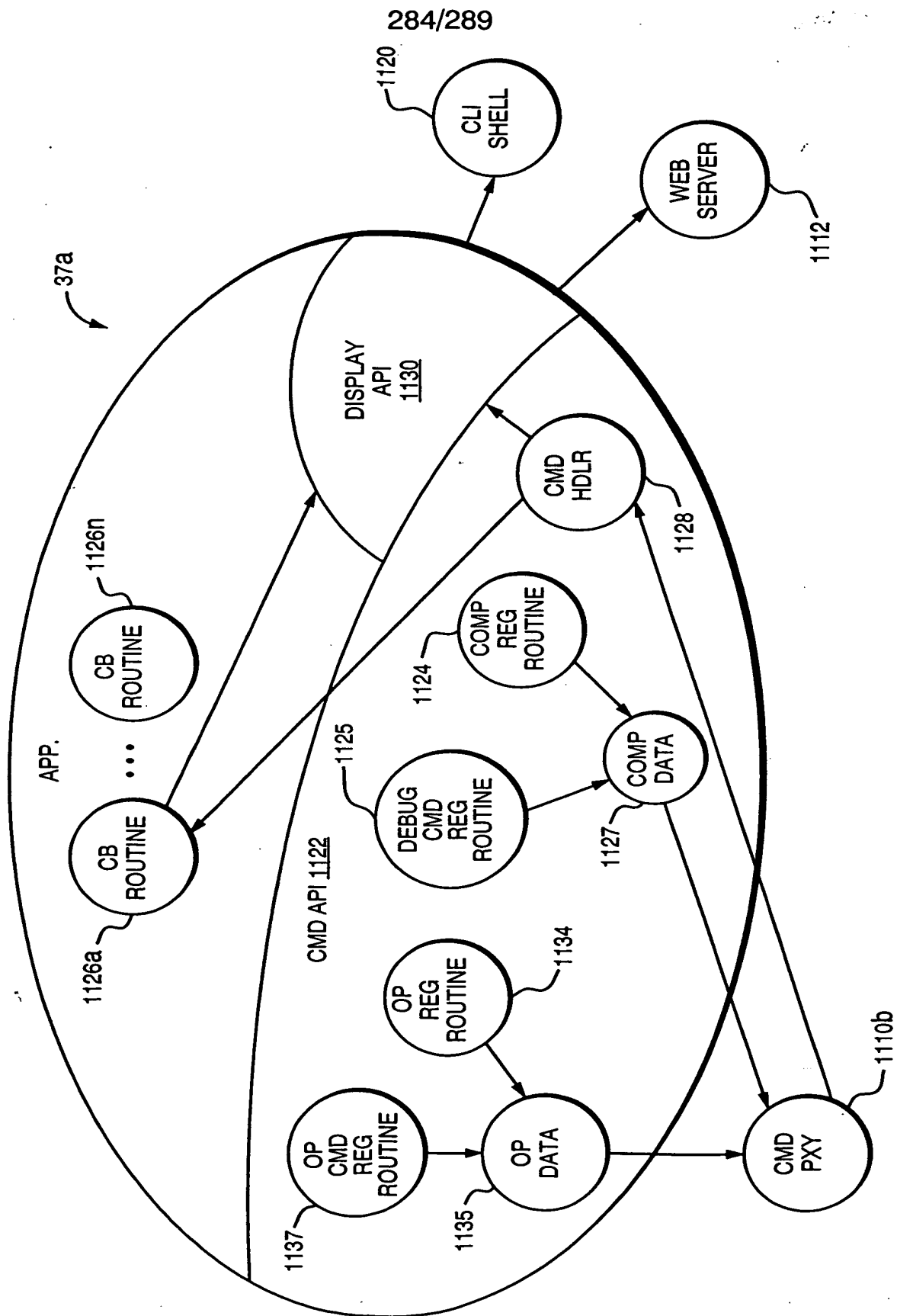


FIG. 82

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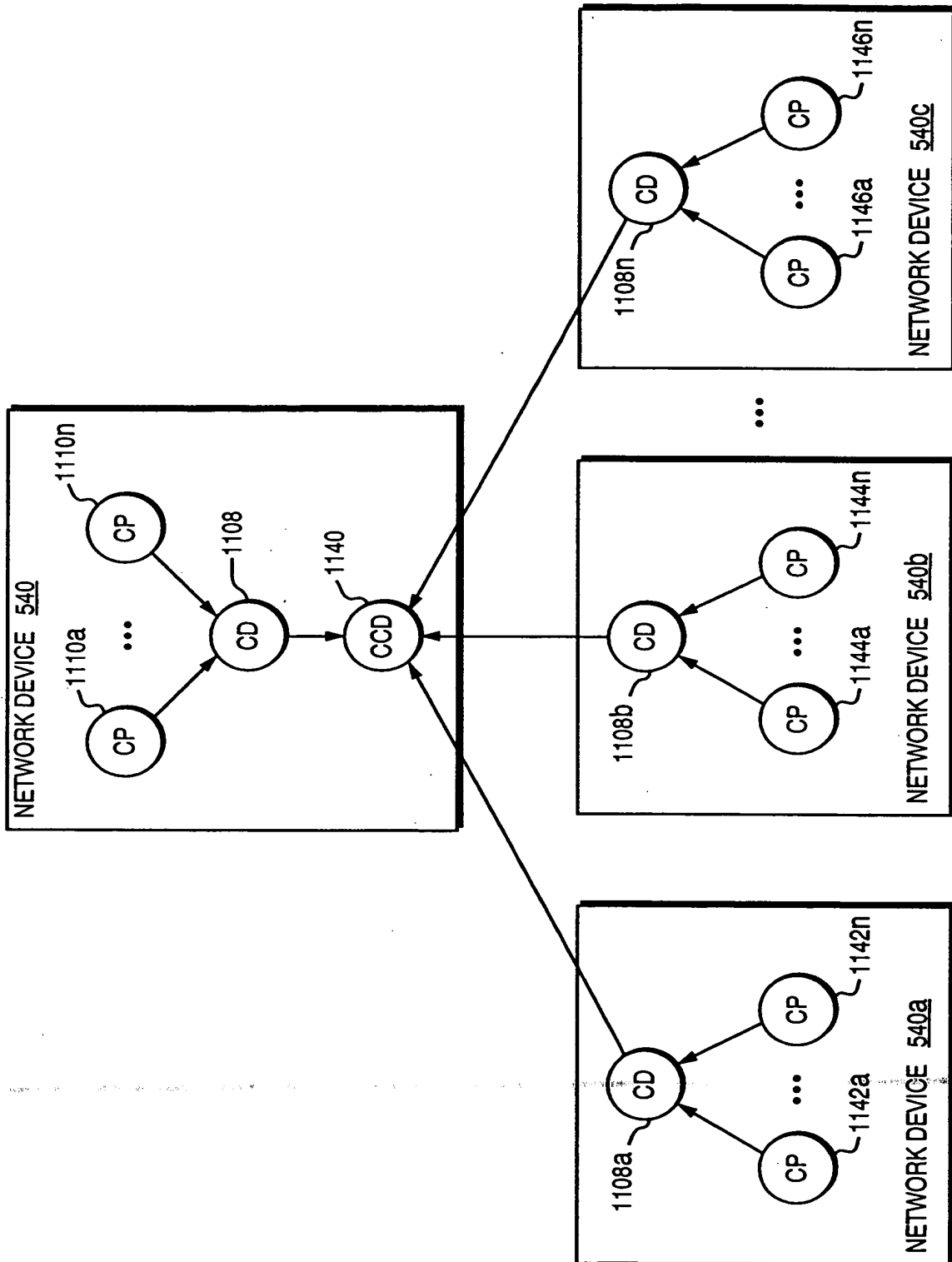


FIG. 83

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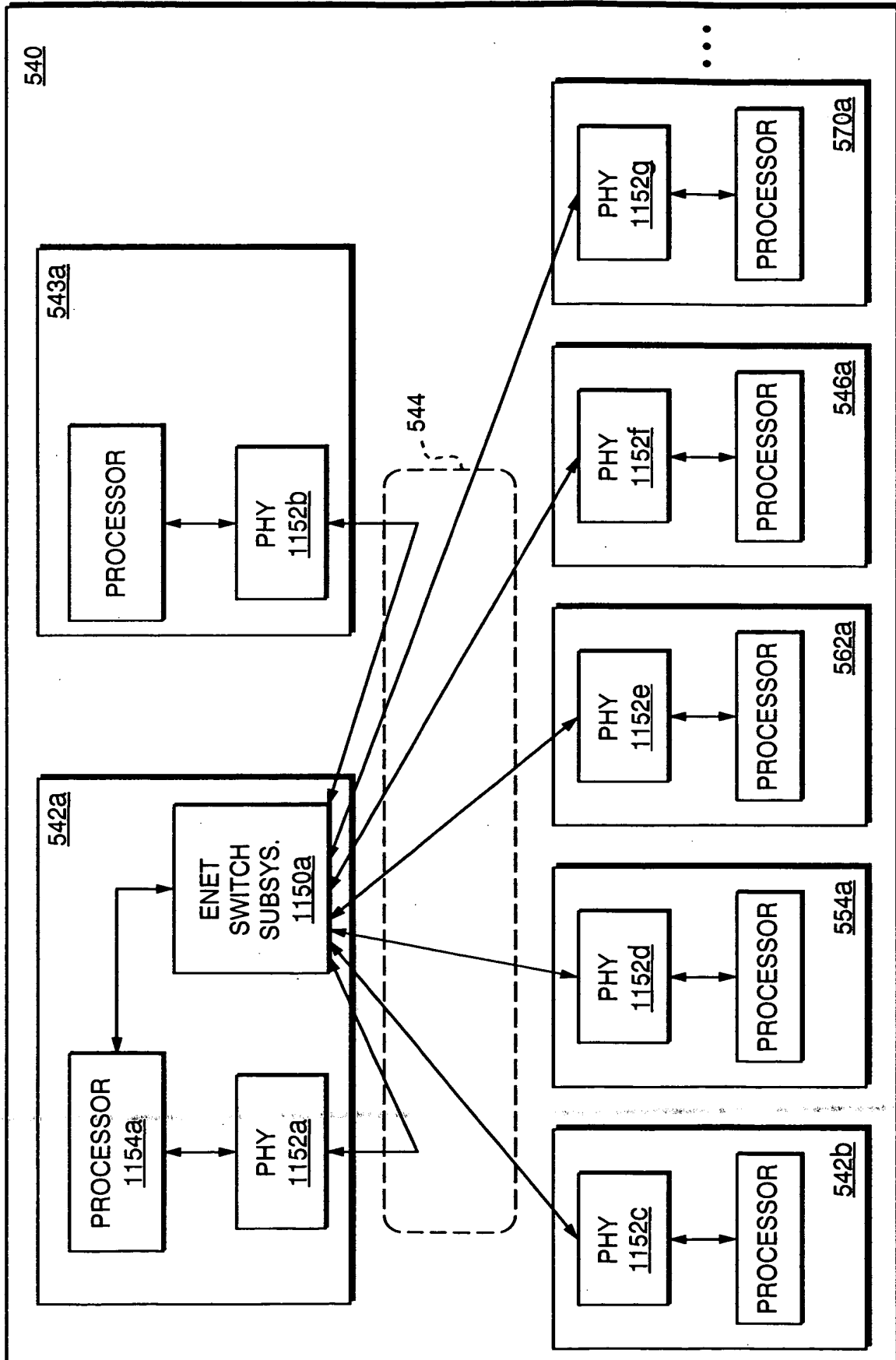


FIG. 84

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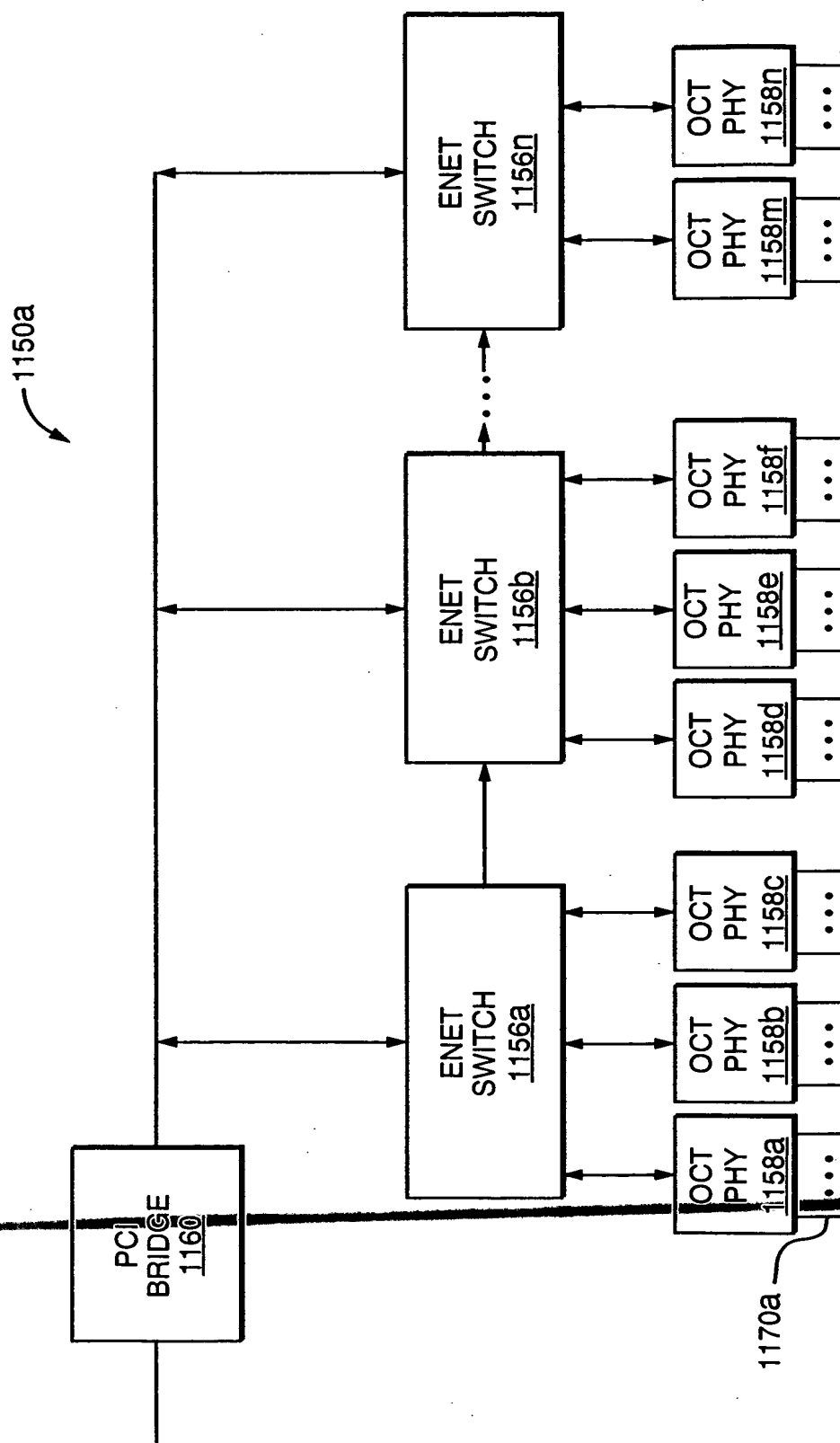


FIG. 85

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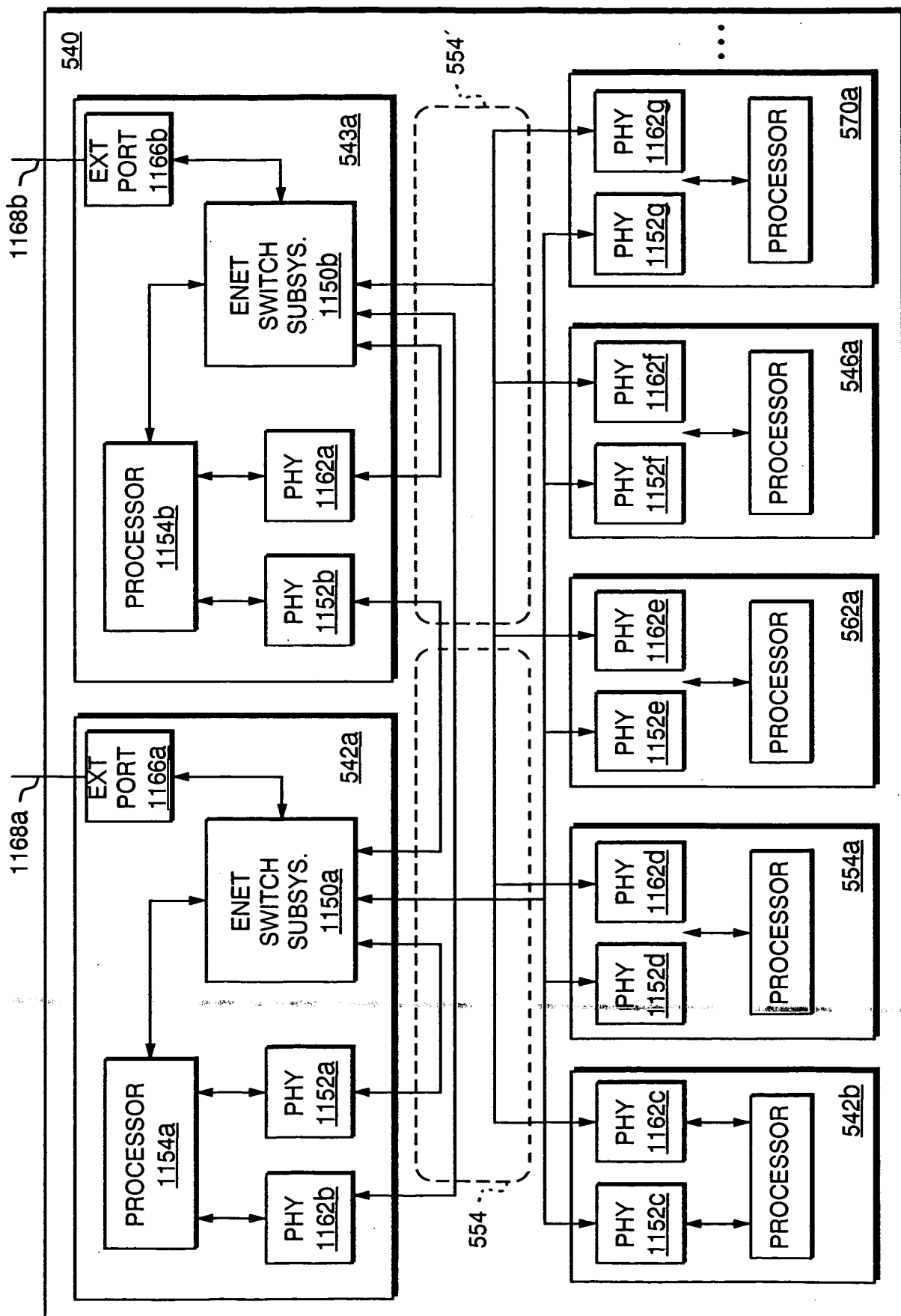


FIG. 86

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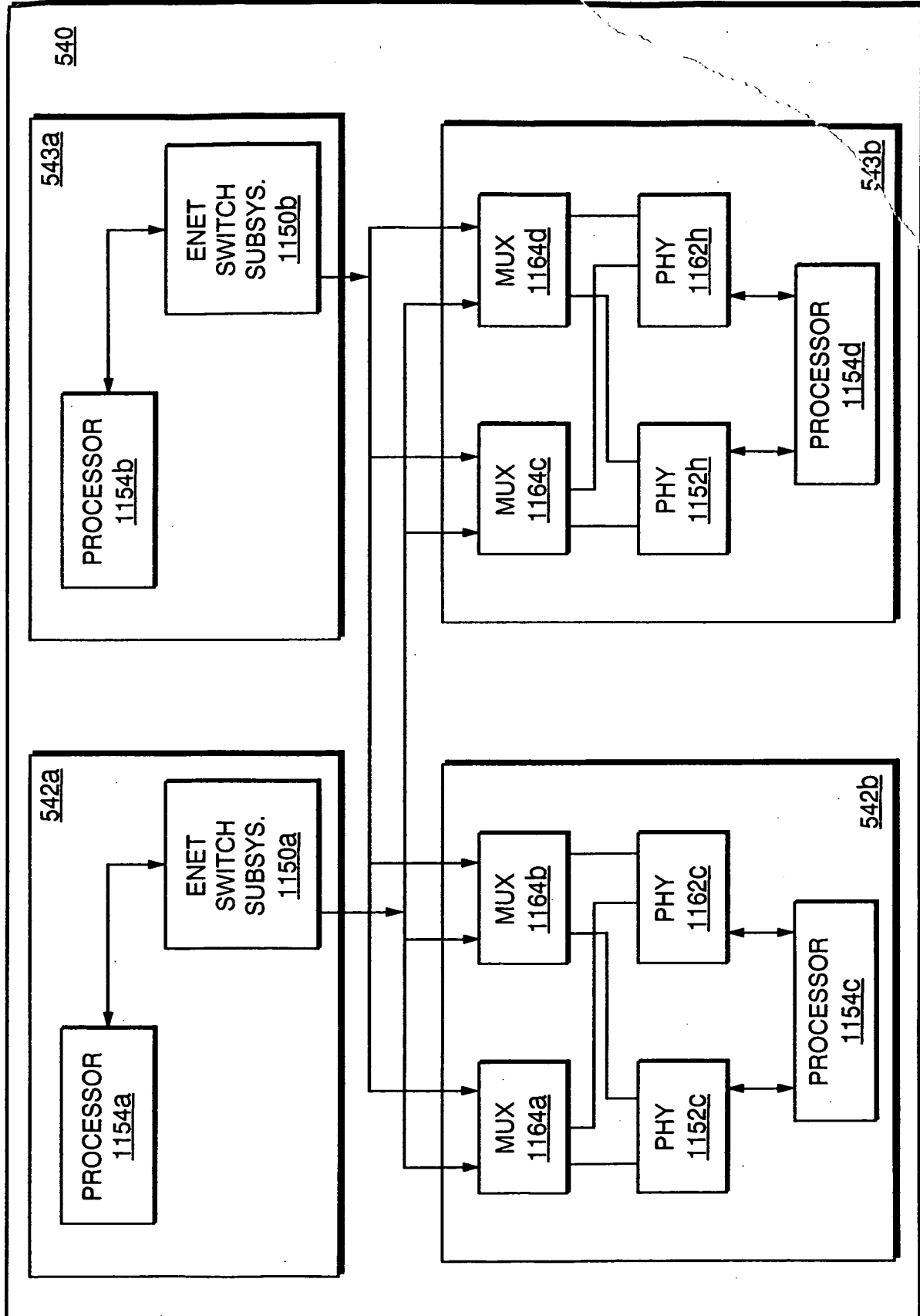


FIG. 87